

CD RECEIVER

KDC-PS9060R/ 9010

SERVICE MANUAL

KENWOOD

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B51-7266-00 (N) 2067

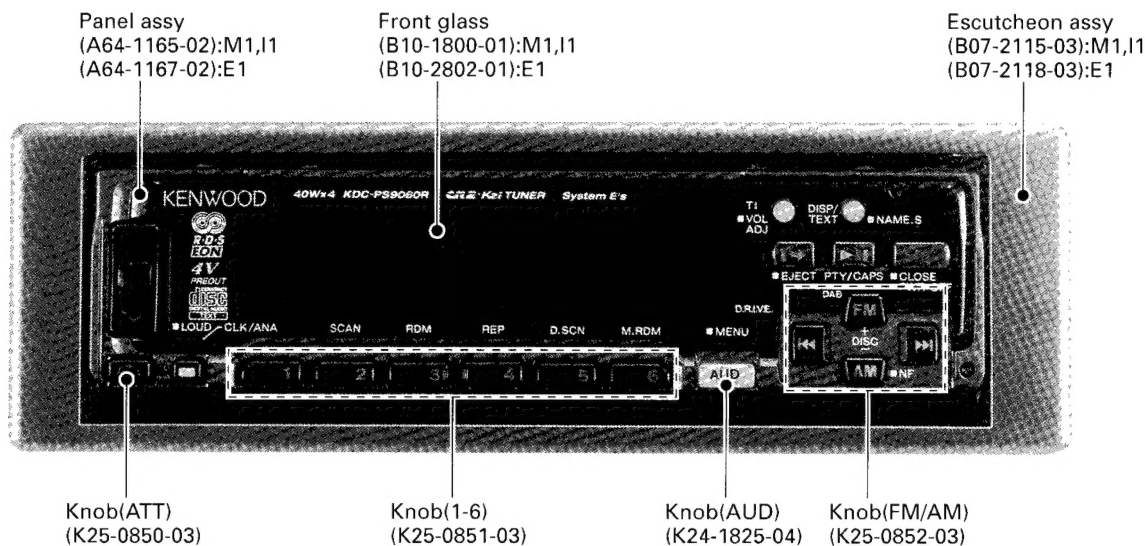
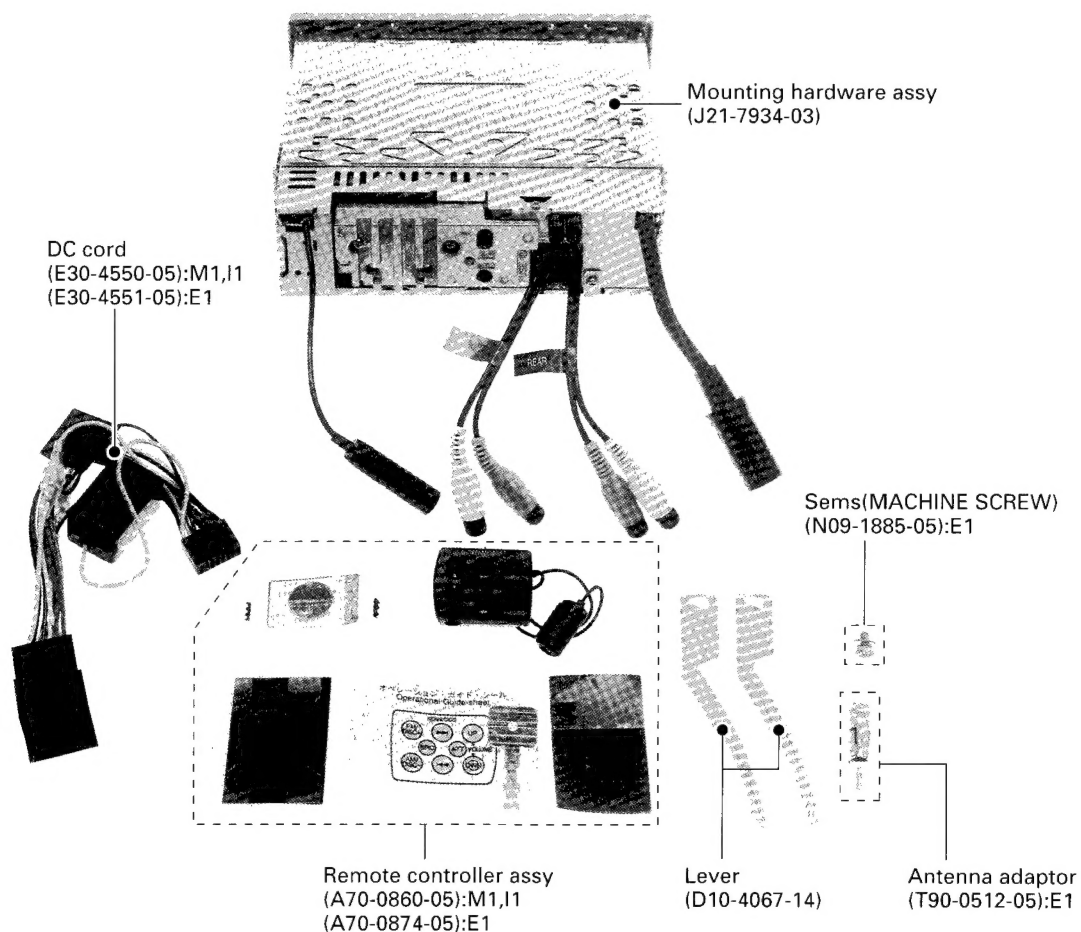


Photo is KDC-PS9060R



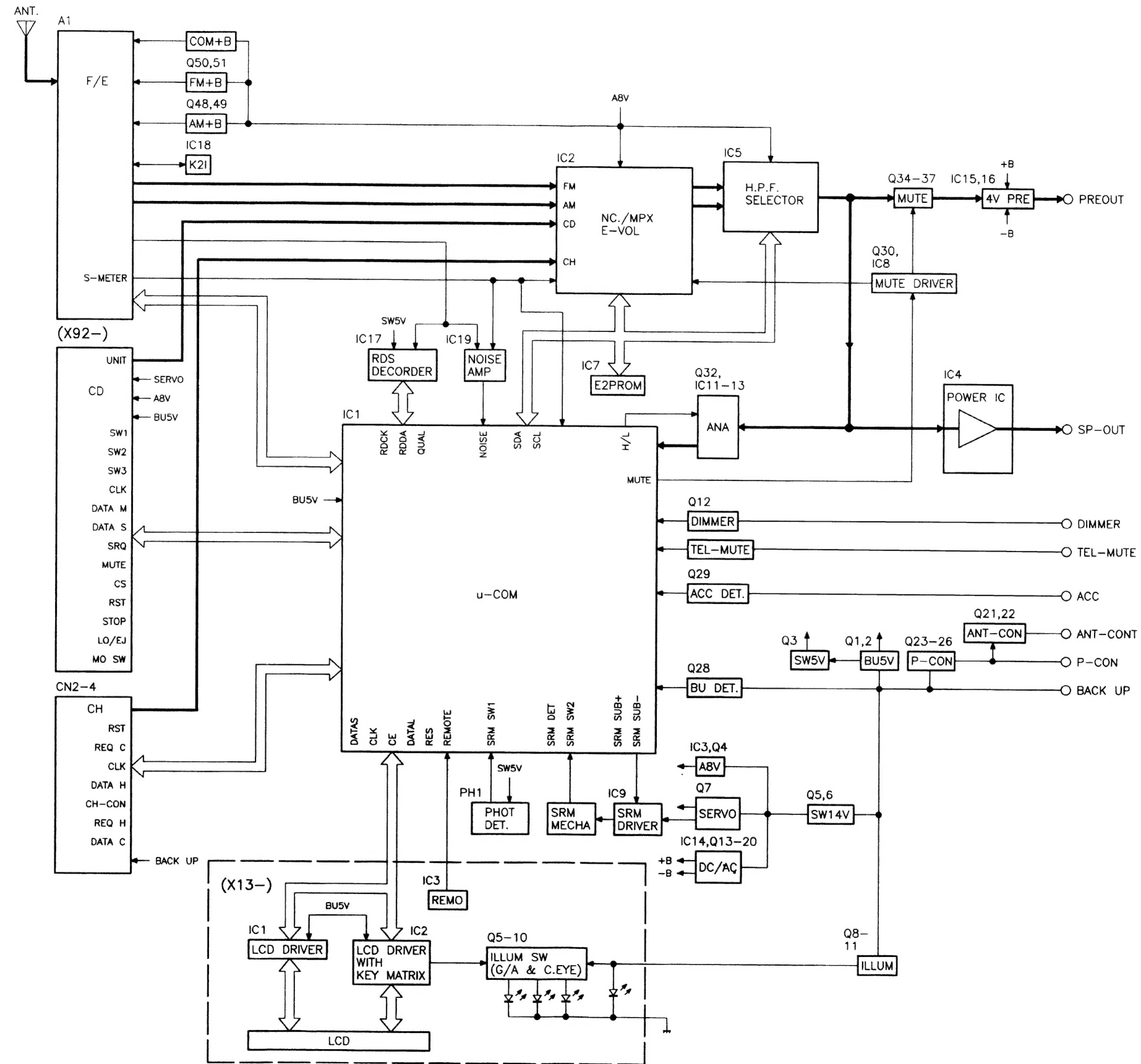
KDC-PS9060R/9010

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KDC-PS9060R/9010 KDC-PS9060R/9010

BLOCK DIAGRAM



KDC-PS9060R/9010

CIRCUIT DESCRIPTION

Microprocessor : μ PD784215GF513 (IC1, X25-)

Terminal ddescription

No.	Pin name	Port name	I/O	Function	Active
1	P60/A16	TYPE0	I	Destination pin 0	
2	P61/A17	TYPE1	I	Destination pin 1	
3	P62/A18	TYPE2	I	Destination pin 2	
4	P63/A19	ST_TYPE0	I	IC2 Ver. 2 Destination pin 0	Default : Lo
5	P64/RD	ST_TYPE1	I	IC2 Ver. 2 Destination pin 1	Default : Lo
6	P65/WR	NC	O	Output open	
7	P66/WAIT	ANA_B	O	Spectrum analyzer frequency selection pin	
8	P67/ASTB	ANA_A	O	Spectrum analyzer frequency selection pin	
9	Vdd		-	Positive power supply pin	
10	P100/T15/T05	NC	O	Output open	
11	P101/T16/T06	SVR	O	Power IC reset pin	Power ON : Lo
12	P102/T17/T07	NC	O	Output open	
13	P103/T18/T08	P_MUTE	O	Power IC mute pin	Active : Hi
14	P30/TO0	ANT_CON	O	Antenna control pin	Active : Hi
15	P31/TO1	NC	O	Output open	
16	P32/TO2	DIMMER	I	Dimmer detection	Active : Lo
17	P33/TI1	P_CON	O	Power control pin	Active : Hi
18	P34/TI2	ACC_DED	I	ACC detection pin	ACC off : Hi
19	P35/TI00	REMO	I	Remote control input pin	
20	P36/TI01	P_ON	O	Microprocessor peripheral power supply pin	Active : Hi
21	P37/	BU_DED	I	Mute detection pin	Mute : Hi
22	TEST		-	Test pin	
23	P90	IC2_SDA	I/O	IC2, IC5, EEPROM data line	
24	P91	IC2_SCK	O	IC2, IC5, EEPROM clock line	
25	P92	MUTE	O	Mute pin	Active : Hi
26	P93	SW5	O	5V power supply pin	Active : Lo
27	P94	NC	O	Output open	
28	P95	CHCON2	O	Changer 2 control pin	Active : Lo
29	P120/RTP0	CHCON1	O	Changer 1 control pin	Active : Hi
30	P121/RTP1	CH_MUTE	I	Changer mute input pin	Mute request : Hi
31	P122/RTP2	REQH	O	Changer handshake request pin	Active : Lo
32	P123/RTP3	ILL_ON	O	Illumination output	Active : Hi
33	P124/RTP4	NC	O	Output open	
34	P125/RTP5	CD_SW2	I	12cm CD detect	ON : Lo
35	P126/RTP6	CD_SW1	I	Loading SW detection	ON : Lo
36	P127/RTP7	M_DATAM	I	Data line from CD mechanism	
37	Vdd		-	Positive power supply pin	
38	X2		-	Main clock connection	
39	X1		-	Main clock connection	
40	Vss		-	GND pin	
41	XT2		-	Sub clock connection pin	
42	XT1		-	Sub clock connection pin	
43	RESET		I	Reset input pin	Active : Lo
44	P00/INTP0	CH_RST	O	Changer reset output pin	Active : Hi
45	P01/INTP1	R_CLK	I	RDS clock input pin	
46	P02/INTP2/NMI	REQC	I	Changer handshake request pin	Active : Lo
47	P03/INTP3	NC	O	Output open	
48	P04/INTP4	M_CLK	O	Clock line to CD mechanism	
49	P05/INTP5	M_DATAS	O	Data line to CD mechanism	

KDC-PS9060R/9010

CIRCUIT DESCRIPTION

No.	Pin name	Port name	I/O	Function	Active
50	P06/INTP6	M_SRQ	I	Handshake request from CD mechanism	
51	AVdd		-	A/D analog power supply pin	
52	AVref0		-	A/D reference voltage input pin	
53	P10/ANI0	PHONE	I	PHONE detection pin	1V or less : PHONE, 2.5V or greater : NAVI MUTE
54	P11/ANI1	SRM_SW1	I	SRM position detection pin	Open : Hi
55	P12/ANI2	NOISE	I	FM noise detection pin	
56	P13/ANI3	AMETER	I	FM S meter detection pin	
57	P14/ANI4	ANA_X	I	Spectrum analyzer input pin	
58	P15/ANI5	ANA_Y	I	Spectrum analyzer input pin	
59	P16/ANI6	IF_MODE	I	K2I IF mode detection pin	Wide : Hi, Narrow : Lo
60	P17/ANI7	M_MUTE	I	Mute request from CD meshanism	MUTE : Lo
61	AVss		-	A/D GND pin	
62	P130/ANO0	M_CS	O	Handshake request to CD mrchanism	Handshake : Lo
63	P131/ANO1	M_RST	O	Reset to CD mechanism	RESET : Lo
64	AVref1		-	D/A reference voltage input pin	
65	P70/RxD2/SI2	DATA_C	I	Data line from changer	
66	P71/TxD2/SO2	DATA_H	O	Data line to changer	
67	P72/ASCK2/SCK2	CH_CLK	I/O	Changer clock line	
68	P20/RxD1/SI1	L_DATA_L	I	Data line to LCD driver	
69	P21/TxD1/SO1	L_DATA_S	O	Data line from LCD driver	
70	P22/ASCK1/SCK1	L_CLK	O	LCD driver clock pin	
71	P23/PCL	M_STOP	O	Stop request to CD mechanism	STOP : Lo
72	P24/BUZ	BEEP	O	Beep detection pin	Active : Hi
73	P25/SI0	PLL_CE	O	PLL CE pin	
74	P26/SO0	PLL_DATA	O	PLL data input/output pin	
75	P27/SCK1	PLL_CLK	O	PLL clock pin	
76	P80/A0	CD_SW3	I	Down SW detection	ON : Hi
77	P81/A1	LO/EJ	I/O	Load/eject select	Load : L / EJ : Hi
78	P82/A2	MOSW	O	Sub motor control	Load : Hi / EJ : Lo
79	P83/A3	NC	O	Output open	
80	P84/A4	KEY_REQ	I	Key input request from LCD driver	Key : Hi
81	P85/A5	L_CE1	O	LCD driver CE pin	
82	P86/A6	L_INH	O	LCD driver reset pin	Reset : Lo
83	P87/A7	L_CE2	O	LCD driver CE pin	
84	P40/AD0	QUAL	I	RDS reception mode	
85	P41/AD1	R_DATA	I	RDS data input pin	
86	P42/AD2	SRM_SUB-	O	Panel motor control (SRM)	
87	P43/AD3	SRM_SUB+	O	Panel moter control (SRM)	
88	P44/AD4	SRM_DET	I	SRM mechanism detection pin	Mechanism : Lo, No mechanism : Hi
89	P45/AD5	SRM_SW2	I	SRM eject position detection pin	Startup : Eject position
90	P46/AD6	FM_SD	I	FM SD input pin	Station : Hi, No station : Lo
91	P47/AD7	NC	O	Output open	
92	P50/A8	AFC	O	Noise detection constant selection pin	Reception : Hi, Search : Lo
93	P51/A9	LO/DX	O	Local output pin	Local : Hi, Normal : Lo
94	P52/A10	WIDE	O	K2I forced wide output pin	Active : Hi
95	P53/A11	NQRROW	O	K2I forced narrow output pin	Active : Hi
96	P54/A12	AM+B	O	AM power supply pin	Active : Hi
97	P55/A13	FM+B	O	FM power supply pin	Active : Hi
98	P56/A14	NC	O	Output open	
99	P57A15	NC	O	Output open	
100	Vss		-	GND pin	

KDC-PS9060R/9010

CIRCUIT DESCRIPTION

Mechanism control μ -com : M38027M8D196FP(X32- : IC3)

●Terminal description

Pin No.	Pin Name	I/O	Function	Pin type	Description	Logic
1	P62/AN2	I	SW3	Normal input	Thread detection terminal	L:Innermost Circumference
2	P61/AN1	I	FLOCK	Normal input	Focus servo lead-in signal of servo IC	L:Lead-in OK
3	P60/AN0	I	SENSE	Normal input	Servo IC's sensing signal of servo IC	
4	P57/INT3	I	CS	Schmidt input	Terminal for communication request from system μ -com	
5	P56/PWM	O	MLD	Push-pull	Servo IC's μ -com command load signal	
6	P55/CNTR1	O	MDATA	Push-pull	Servo IC's μ -com command data signal	
7	P54/CNTR0	O	MCLK	Push-pull	Servo IC's μ -com command clock signal	
8	P53/SRDY2	O	PON	Push-pull	Servo system IC's audio power (8V) and digital power(5V) control terminal. Oscillation control terminal of clock (16.93MHz) for servo IC	L:Power OFF (Oscillation stop) H:Power ON
9	P52/SCLK2	O	SCLK	Push-pull	CD-TEXT data read out shift clock signal	
10	P51/SOUT2	O	NC	Push-pull	Not used	
11	P50/SIN2	I	SRDT	Schmidt input	CD-TEXT read out data signal	
12	P47/SRDY1	O	SRQ	Push-pull	Terminal for communication request to mechanism μ -com	
13	P46/SCLK1	I	CLK	Schmidt input	Terminal for clock from system μ -com	
14	P45/TxD	O	DATAM	Push-pull	Mechanism μ -com data terminal	
15	P44/RxD	I	DATAS	Schmidt input	Terminal for data from system μ -com	
16	P43/INT2	I	BLKCK	Schmidt input	Servo IC's sub code block clock signal	
17	P42/INT1	I	MSTOP	Schmidt input	Standby control terminal for mechanism μ -com	L:Standby(Stop)
18	CNVss	-	CNVss	-	μ -com operating mode control	L:Internal ROM H:External ROM
19	RESET	I	MRST	-	Mechanism μ -com reset terminal	L:Reset
20	P41/INT0	O	AMUTE	Push-pull	Analog mute terminal for connection to system μ -com	L:ON , H:OFF
21	P40/INT4	I	DQSY	Schmidt input	CD-TEXT read out approved output terminal	
22	Xin	I	Xin	-	μ -com's main clock (8.38MHz)	
23	Xout	O	Xout	-	μ -com's main clock (8.38MHz)	
24	Vss	-	Vss	-	Power supply terminal (GND)	
25 - 32	P27 - 20/ DB7 - 0	I/O	DB7 - 0	Push-pull Normal input	External memory data bus (bit7 - 0)	
33 - 40	P17 - 10/ AD15 - 8	O	AD15 - 8	Push-pull	External memory address bus (bit15 - 8)	
41 - 48	P07 - 00 /AD7 - 0	O	AD7 - 0	Push-pull	External memory address bus (bit7 - 0)	
49	P37/RD	O	RD	Push-pull	External memory control bus	
50	P36/WR	O	WR	Push-pull	External memory control bus	
51	P35/SYNC	I/O	-	Push-pull Normal input	Not used	
52	P34/ ϕ	I/O	ASEL	Push-pull Normal input	Servo IC DAC output polarity switching	
53	P33 /RESETOUT	I	TESTIN	Normal input	SRAM check test mode ON/OFF switching terminal	L:ON , H:OFF
54	P32/ONW	I	ONW	Normal input	External memory access time selection terminal	L:One weight H:Unused
55	P31/DA2	O	TESTOUT	Push-pull	SRAM check result output terminal	
56	P30/DA1	O	SEARCH	Push-pull	Servo IC's gain switching control terminal	
57	Vcc	-	Vcc	-	Power supply terminal (+5V)	
58	Vref	-	Vref	-	Not used	
59	AVss	-	AVss	-	GND	
60	P67/AN7	O	RST	Push-pull	Servo system's reset terminal, also used at time of power rise	L:Reset
61	P66/AN6	I	STAT	Normal input	Servo IC's status signal, and also for monitor during control	
62	P65/AN5	O	DMUTE	Push-pull	Servo IC's digital mute terminal	H:ON
63	P64/AN4	I	SUBQ	Normal input	Servo IC's sub code Q code input	
64	P63/AN3	O	SQCK	Push-pull	External clock output for servo IC's sub code Q register	

KDC-PS9060R/9010

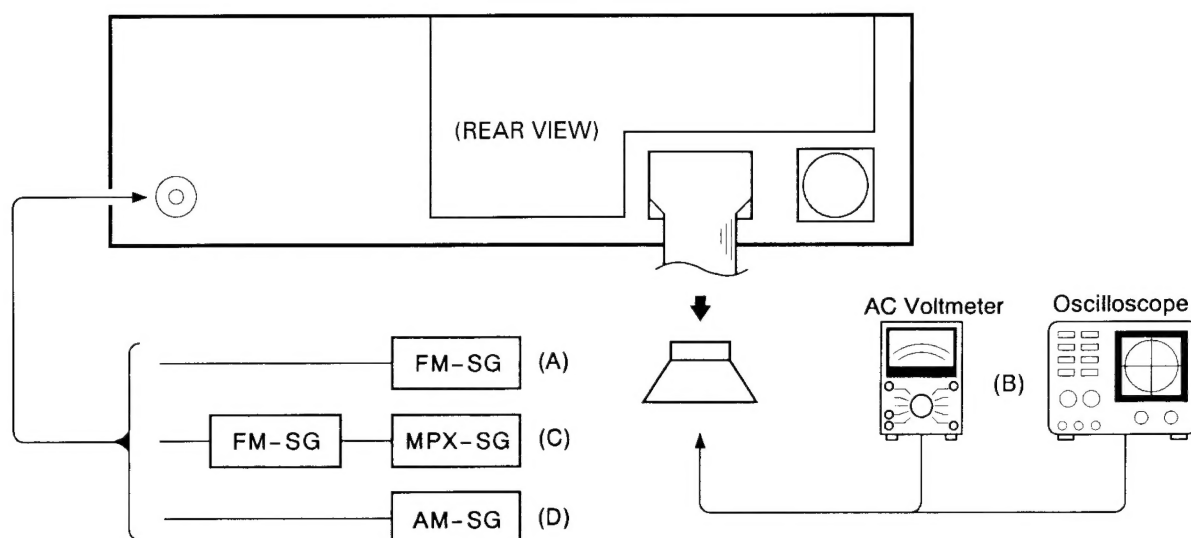
ADJUSTMENT

M type

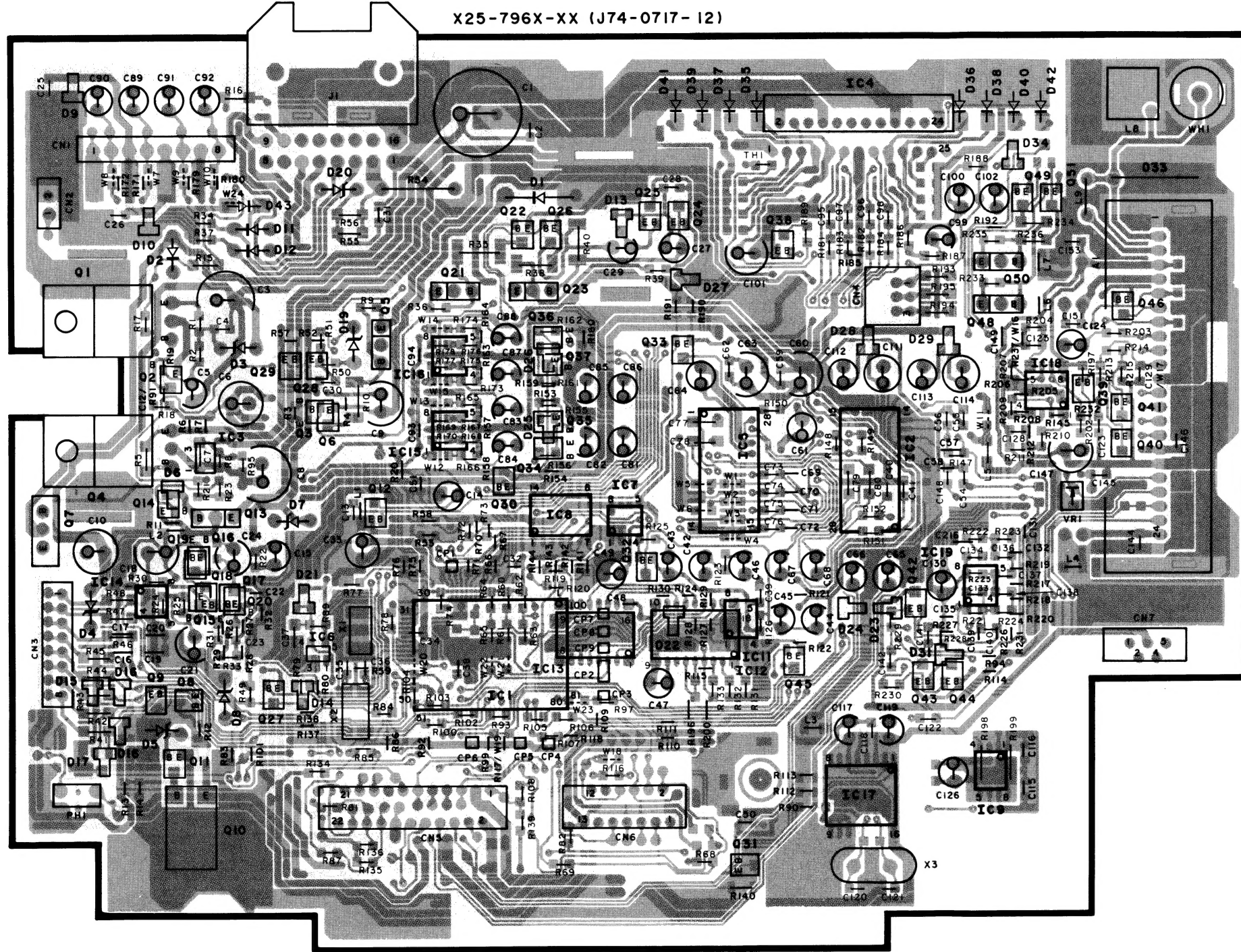
No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1.	SEPARATION	(C) 98.1MHz 1kHz, ± 67 kHz dev Pilot : ± 7.5 kHz dev Selector : L or R 60dB μ (ANT input)	(B)	FM 98.1MHz	VR1	Separation : MAX	

E type

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1.	SEPARATION	(C) 98.1MHz 1kHz, ± 40 kHz dev Pilot : ± 6.0 kHz dev Selector : L or R 60dB μ (ANT input)	(B)	FM 98.1MHz	VR1	Separation : MAX	



PC BOARD (COMPONENT SIDE VIEW)



(X25-796X-XX)

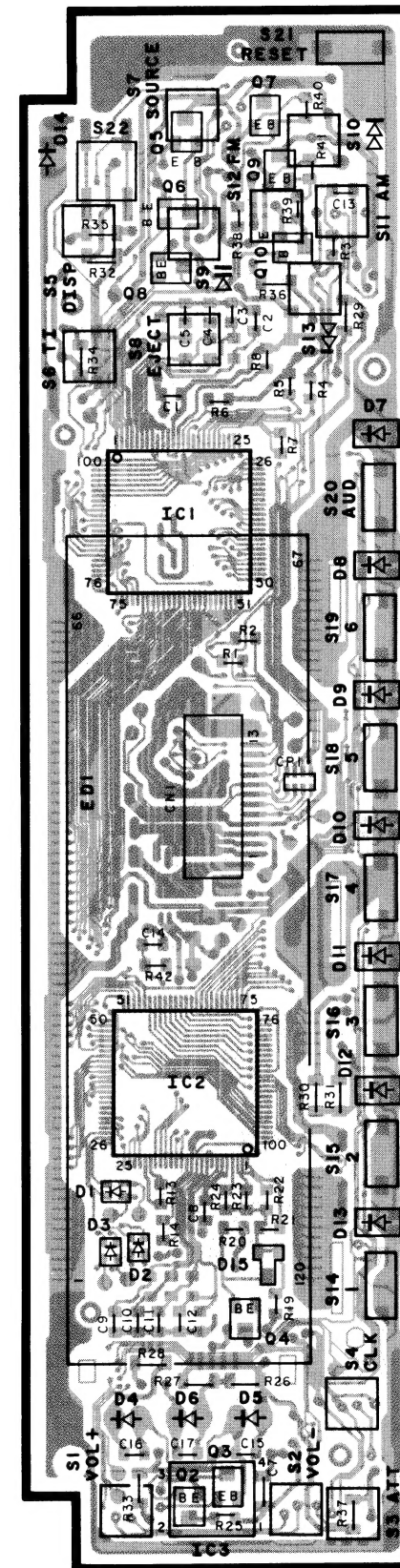
IC	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19
address	5C	4E	4B	2E	4D	5B	4D	4D	5F	5D	5D	5D	5A	4C	3C	5E	3F	4F

Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	23	24	25	26
address	3A	3B	4B	4A	3C	4B	4A	5B	5A	6B	5B	4C	4B	4B	5B	4B	5B	5B	4B	5B	3C	3D	3D	3C

Q	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	48	49	50	51
address	5B	3B	3B	4C	6D	4D	3D	4C	4C	3C	3C	3E	3F	4F	4F	5E	5E	5E	5E	3F	3F	3F	3F	3F

Refer to the schematic diagram for the values of resistors and capacitors.

X13-9130-10 (J74-0694-02)



(X13-9130-10)

IC	Q	address
1		3H
2		5H
3		6H
	2	6H
	3	6H
	4	6H
	5	2H
	6	2H
	7	2H
	8	2H
	9	2H
	10	2H

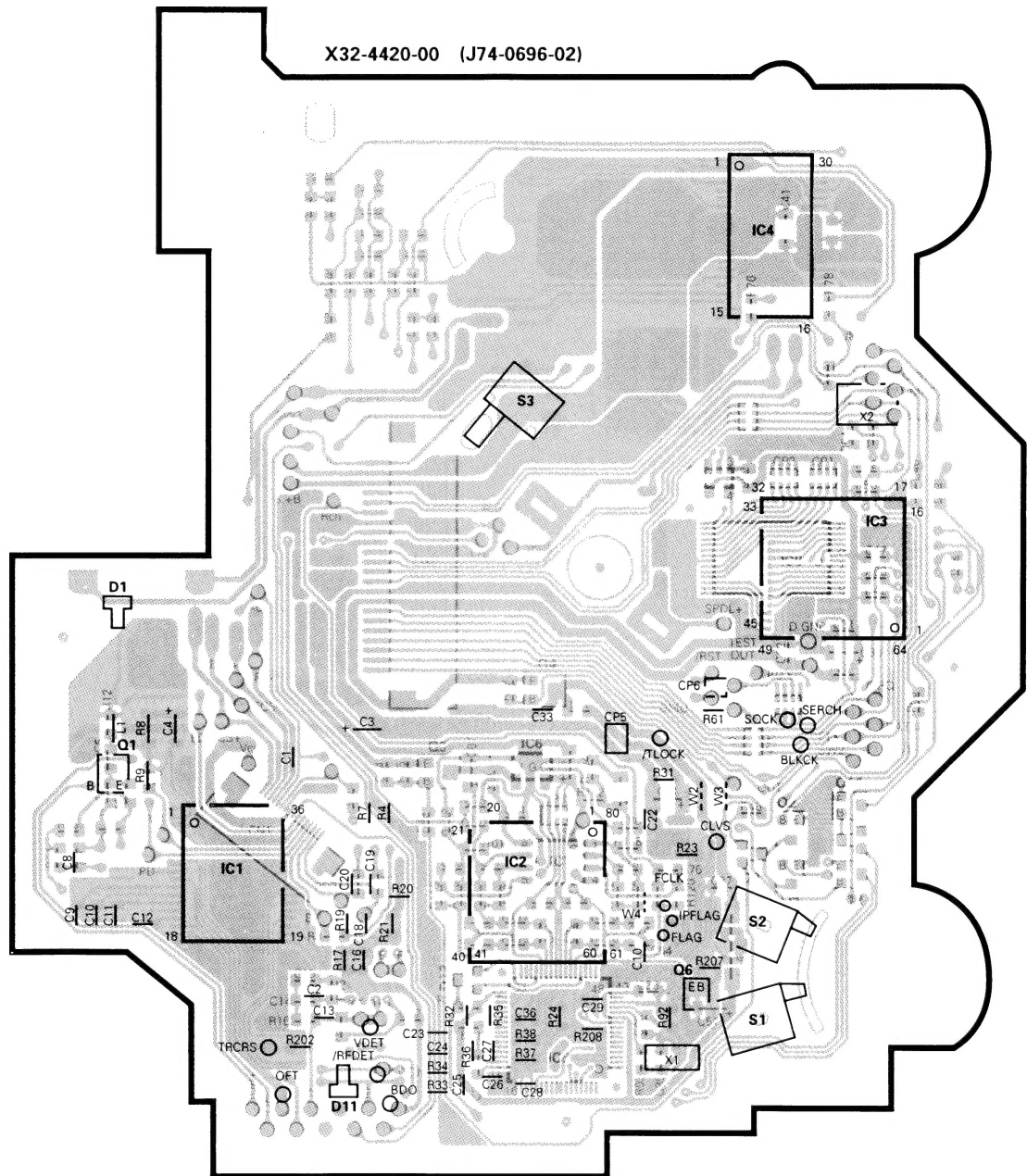
Figure 1 shows a vertical sequence of seven panels, numbered 1 to 7, illustrating a biological process. Each panel shows a single cell or a group of cells. Panel 1 shows a single cell. Panel 2 shows two cells. Panel 3 shows three cells. Panel 4 shows four cells. Panel 5 shows five cells. Panel 6 shows six cells. Panel 7 shows seven cells.

(X13-9130-10)		
IC	Q	address
1		3M
2		5M
3		6M
	2	6M
	3	6M
	4	6M
	5	2M
	6	2M
	7	2M
	8	2M
	9	2M
	10	2M

Refer to the schematic diagram for the values of resistors and capacitors

11

PC BOARD (COMPONENT SIDE VIEW)



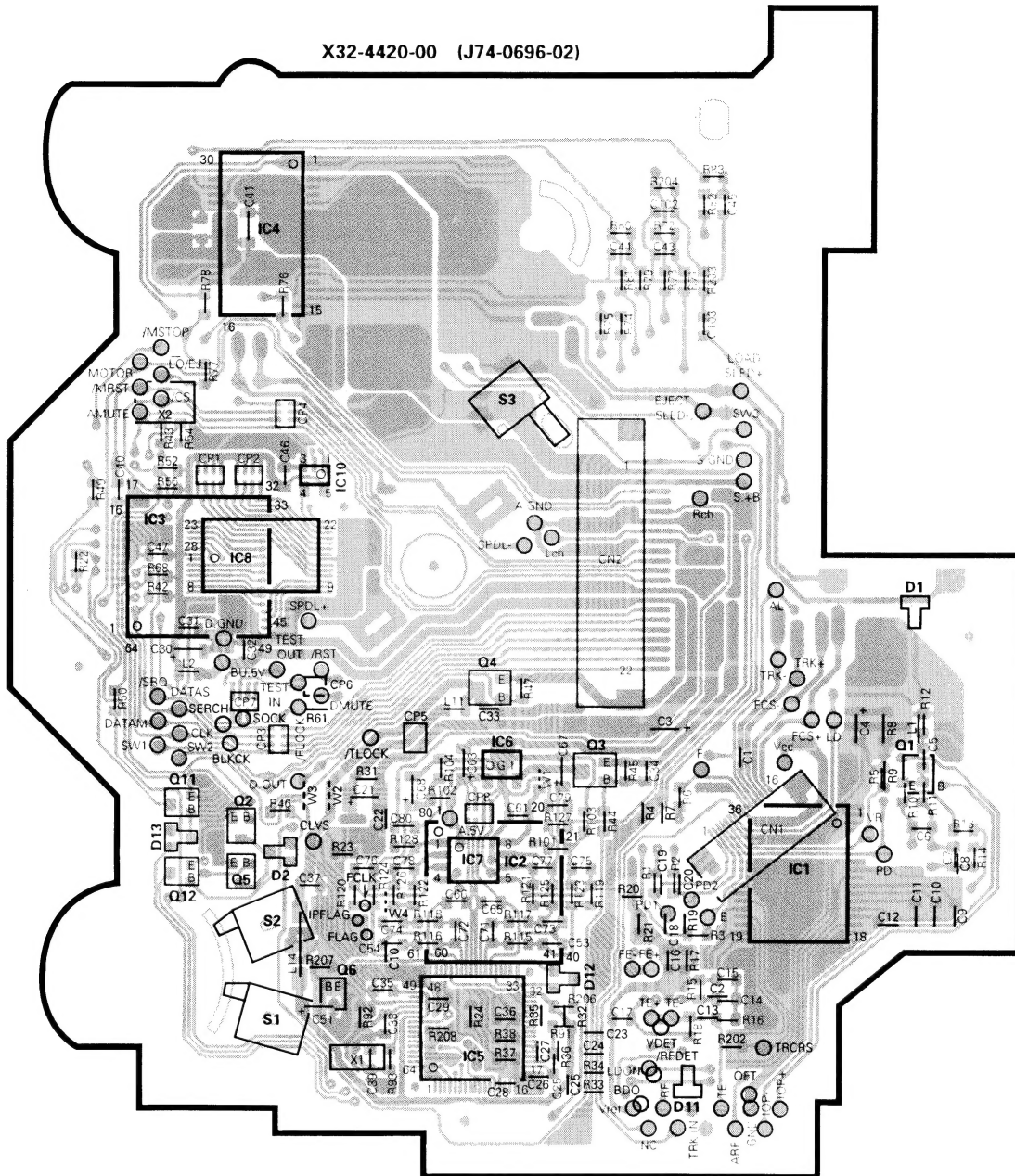
(X32-4420-00)

IC	1	2	3	4	5	6	7	8	10								
Q										1	2	3	4	5	6	11	12
address	4V	4W	3X	2X	5W	4W	4W	3X	3X	4V	4X	4W	4W	4X	5X	4X	4X

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

X32-4420-00 (J74-0696-02)

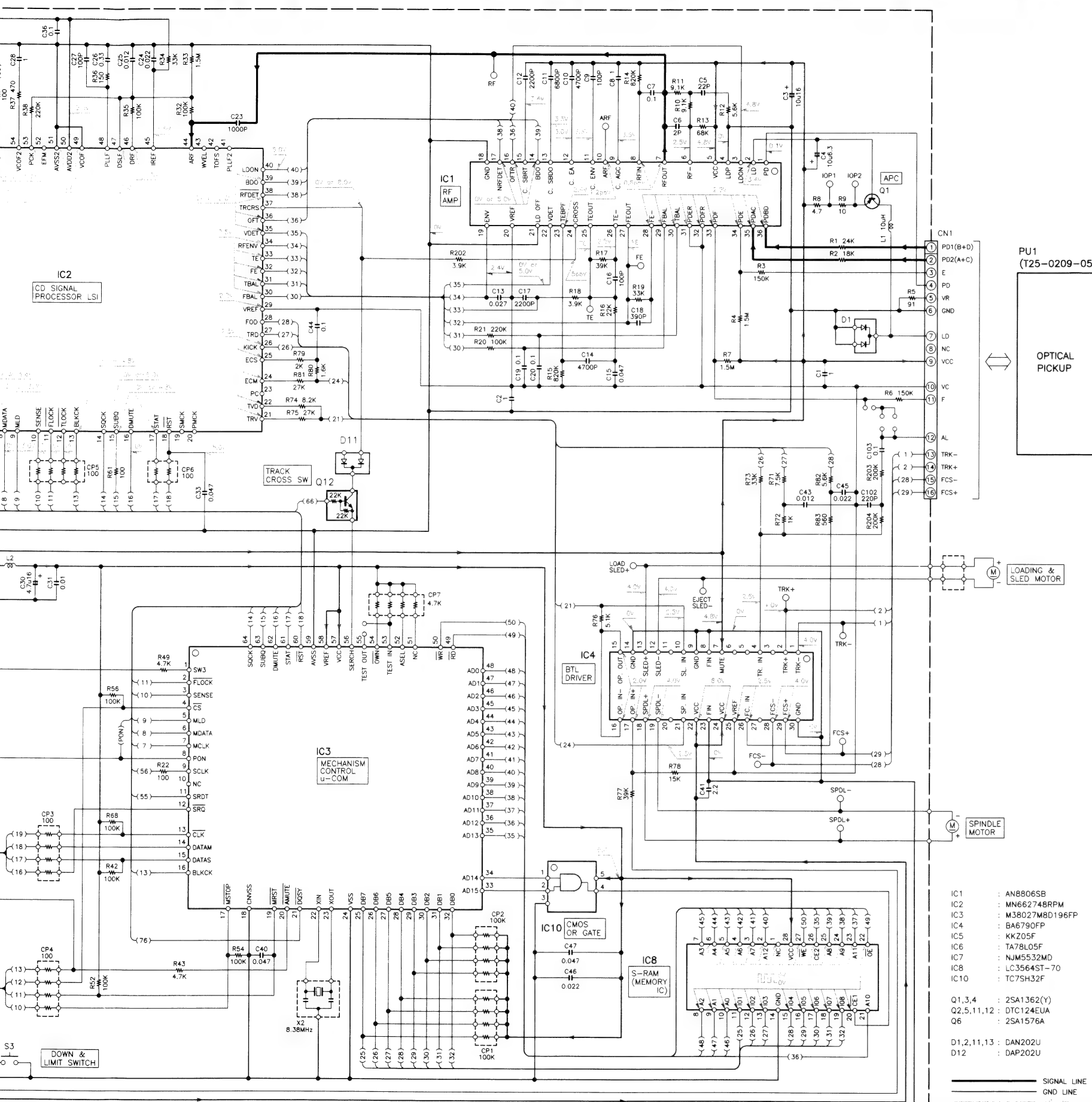


(X32-4420-00)

IC	1	2	3	4	5	6	7	8	10										
Q																			
address	4AC	4AB	3AA	2AA	5AB	4AB	4AB	3AA	3AA	4AC	4AA	4AB	4AB	4AA	5AA	4AA	4AA		

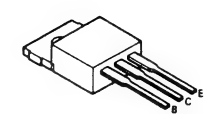
Refer to the schematic diagram for the values of resistors and capacitors.



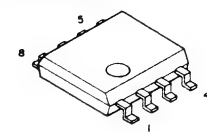


KDC-PS9060R(E) (X32-4420-00)

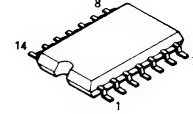
2SD2396



NJM2903M
NJM4565M-TE2
NJM5532MD



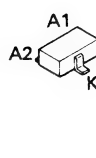
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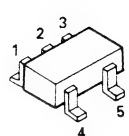
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DTA124EK
DTC114EK
DTC114TK
DTC114YK
DTC124EK
DTD123YK

DTC124TK
DTC143TK
DTC144EK
2SA1362
2SC2412K
2SD2114K

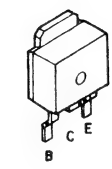
DAN202K
DAN202U



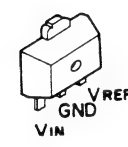
PST9130NR



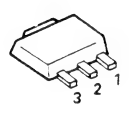
2SB1184



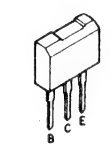
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M5237ML



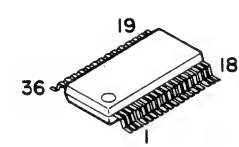
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2SB1443



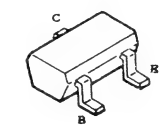
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DAP202U



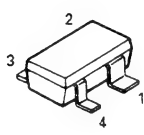
AN8806SB



2SA1037K



DA227



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

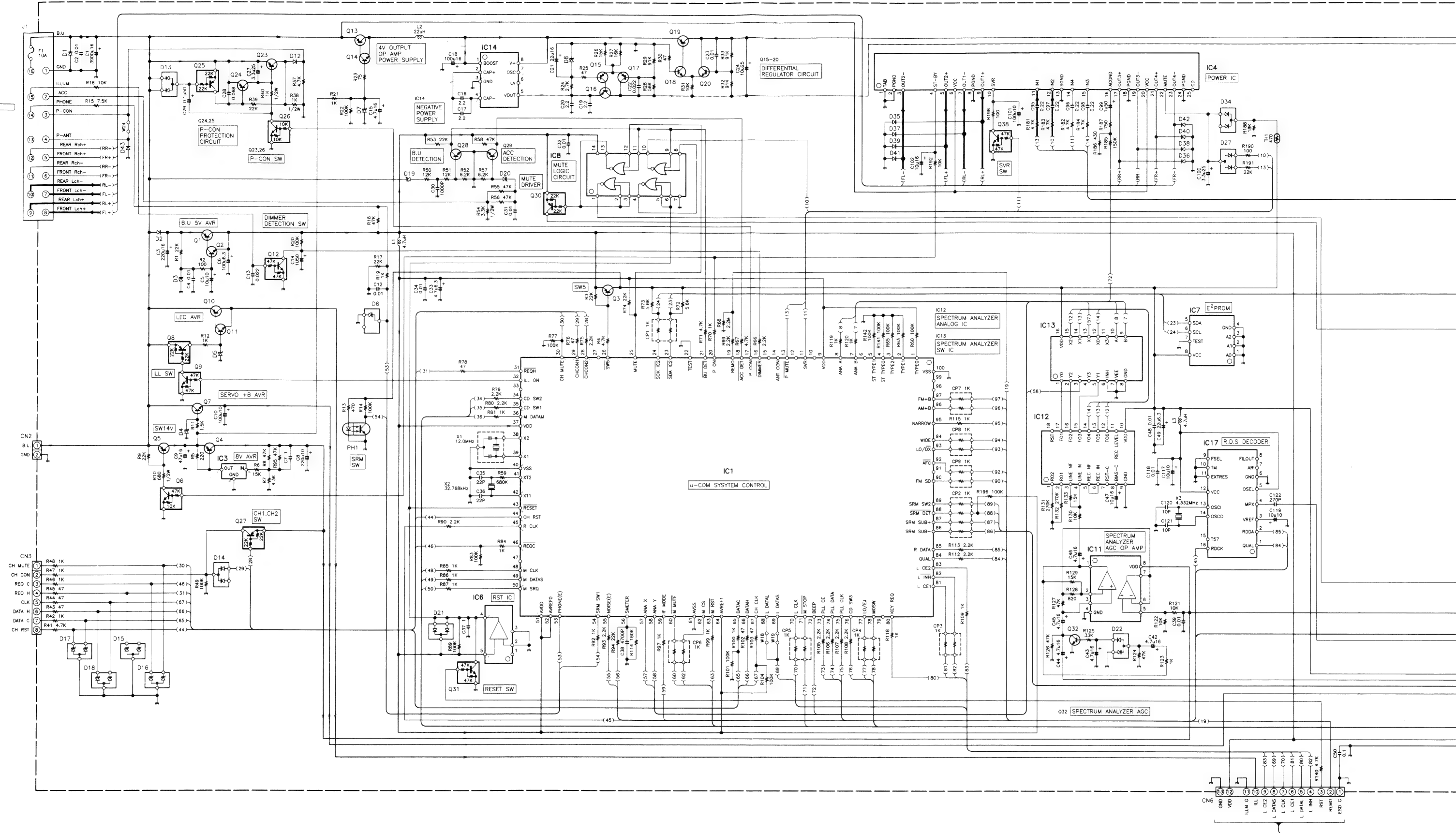
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

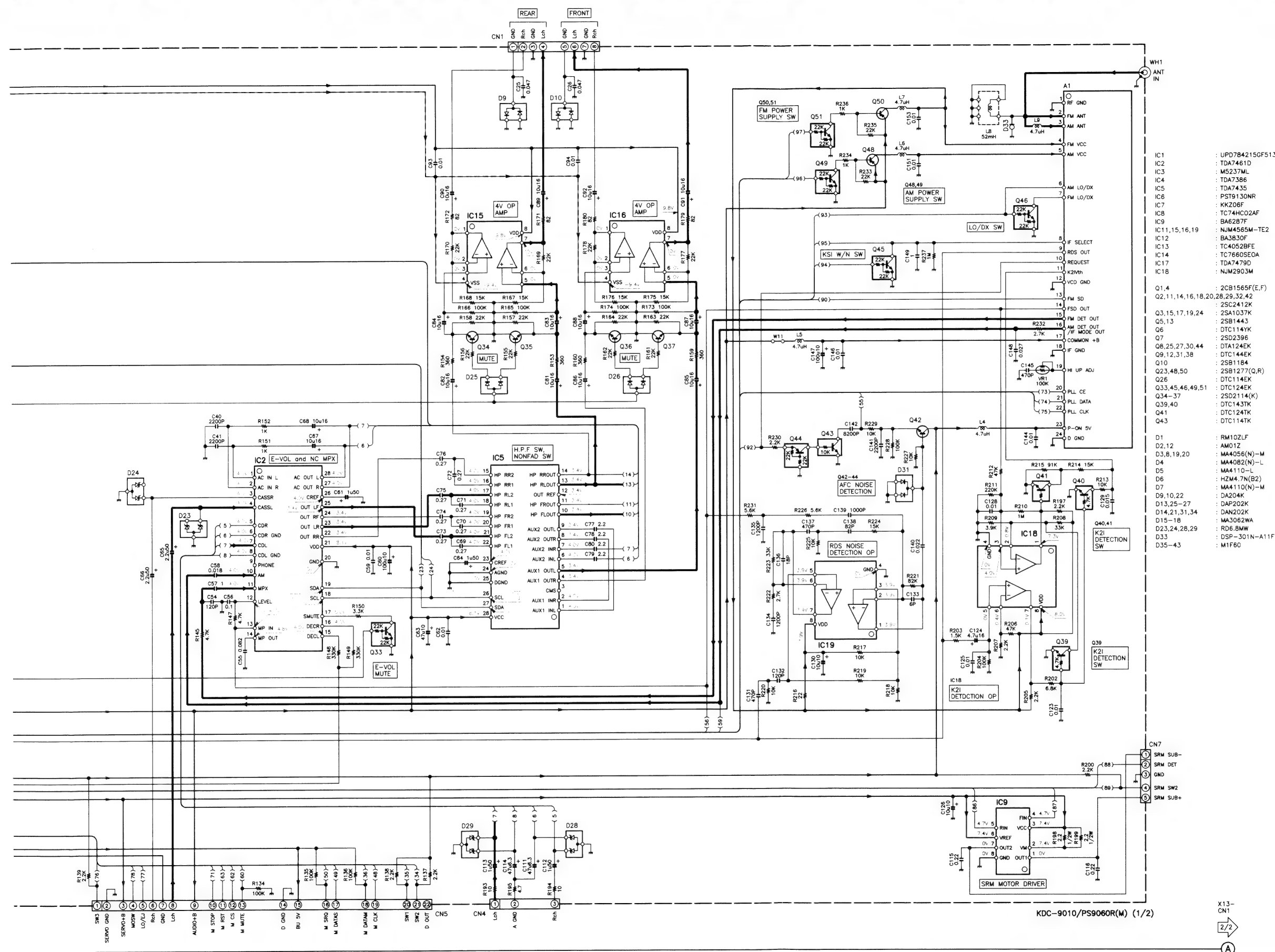
- IC1 : AN8806SB
- IC2 : MN662748RPM
- IC3 : M38027M8D196FP
- IC4 : BA6790FP
- IC5 : KKZ05F
- IC6 : TA78L05F
- IC7 : NJM5532MD
- IC8 : LC3564ST-70
- IC10 : TC75H32F

- Q1,3,4 : 2SA1362(Y)
- Q2,5,11,12 : DTC124EUA
- Q6 : 2SA1576A
- D1,2,11,13 : DAN202U
- D12 : DAP202U

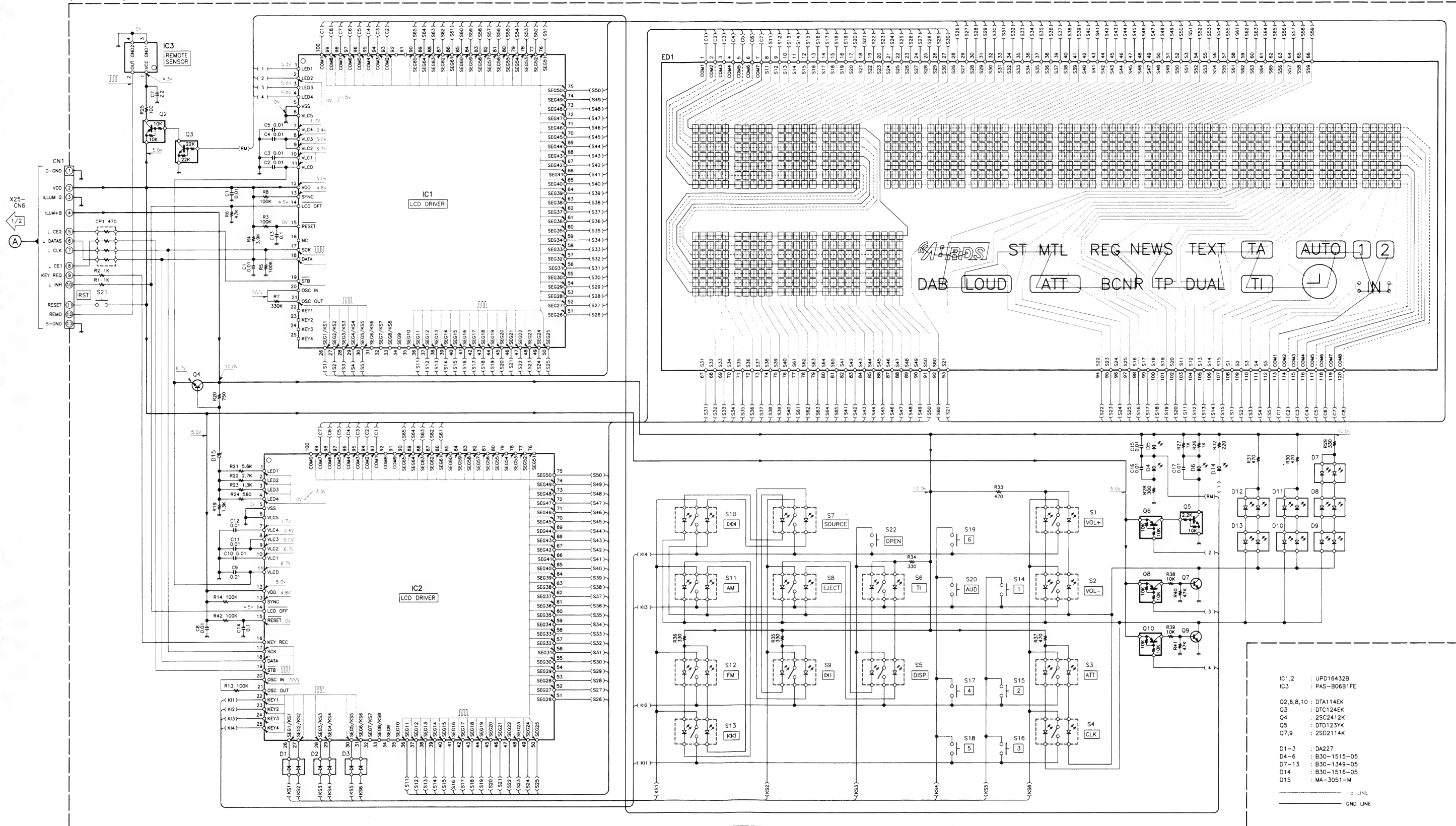
— SIGNAL LINE
— GND LINE

KDC-PS9060R/9010
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(X13-9130-10)



KDC-PS809/9010/9060R(K) (2/2)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

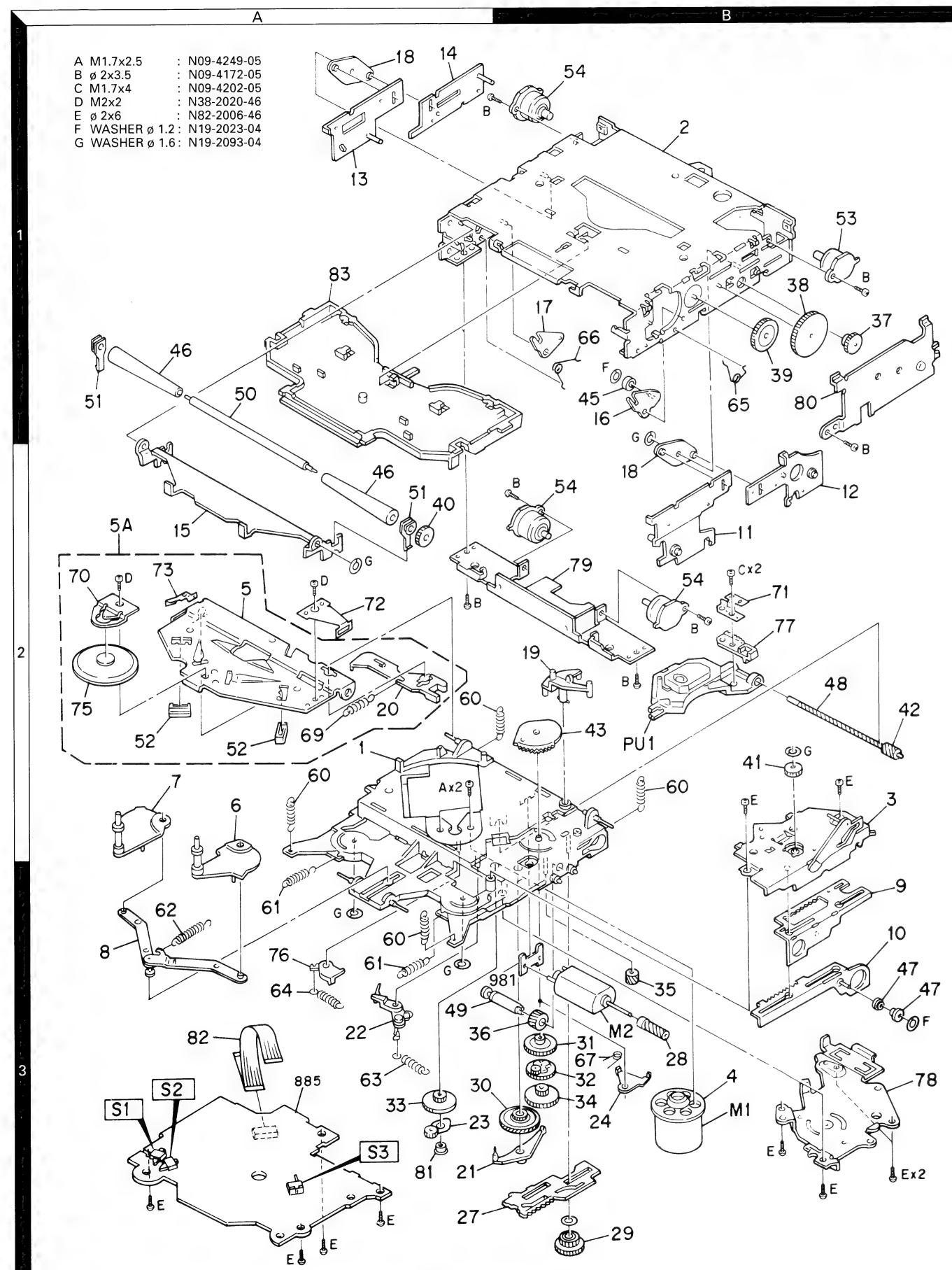
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-PS9060R/9010

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KDC-PS9060R/9010

EXPLODED VIEW (MECHANISM)

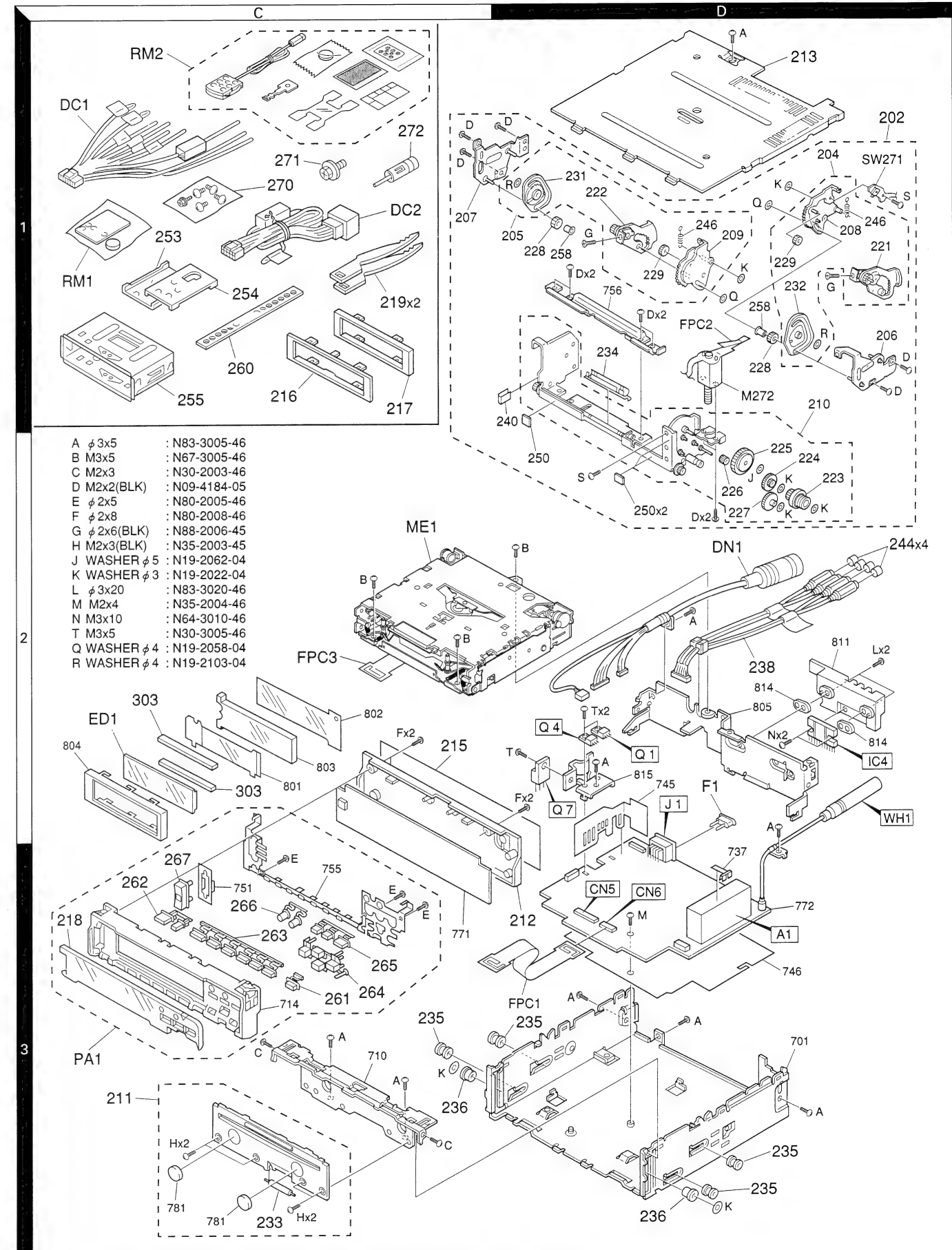


Parts with the exploded numbers larger than 700 are not supplied.

25

KDC-PS9060R/9010

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

26

KDC-PS9060R/9010

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

KDC-PS9060R/9010

Ref. No.	N e w	Parts No.	Description
KDC-PS9060R/9010			
202	1D	A10-4428-22	CHASSIS ASSY
204	2D	A10-4313-62	CHASSIS ASSY
205	1D	A10-4314-62	CHASSIS ASSY
206	2D	A10-4315-04	CHASSIS CALKING ASSY
207	1C	A10-4317-04	CHASSIS CALKING ASSY
208	1D	A10-4319-04	CHASSIS CALKING ASSY
209	1D	A10-4321-04	CHASSIS CALKING ASSY
210	1D	A10-4353-53	CHASSIS ASSY
211	3C	* A22-2272-03	SUB PANEL ASSY
212	2C	* A46-1279-02	REAR COVER
212	2C	* A46-1280-02	REAR COVER
213	1D	A52-0710-12	TOP PLATE
PA1	3C	* A64-1165-02	PANEL ASSY
PA1	3C	* A64-1167-02	PANEL ASSY
RM1	1C	A70-0860-05	REMOTE CONTROLLER ASSY
RM2	1C	A70-0874-05	REMOTE CONTROLLER ASSY
215	2C	* B03-3027-03	DRESSING SEAL
215	2C	* B03-3029-03	DRESSING SEAL
216	1C	* B07-2116-02	ESCUTCHEON
217	1C	* B07-2115-03	ESCUTCHEON ASSY
217	1C	* B07-2118-03	ESCUTCHEON ASSY
218	3C	* B10-1800-01	FRONT GLASS
218	3C	* B10-2802-01	FRONT GLASS
-	-	B46-0100-50	WARRANTY CARD
-	-	B46-0612-14	ID CARD
-	-	B58-1255-04	CAUTION CARD (SRM)
-	-	B58-1278-04	CAUTION CARD
-	-	B64-1180-00	INSTRUCTION MANUAL(E,T)
-	-	B64-1181-00	INSTRUCTION MANUAL(E,F)
-	-	B64-1182-00	INSTRUCTION MANUAL(G,D,I)
-	-	B64-1183-00	INSTRUCTION MANUAL(S,P)
219	1C	D10-4067-14	LEVER
221	1D	D10-4139-13	ARM ASSY
222	1D	D10-4140-13	ARM ASSY
223	2D	D13-1302-64	GEAR ASSY
224	1D	D13-1306-14	GEAR
225	2D	D13-1348-03	GEAR
226	2D	D13-1349-04	GEAR
227	2D	D13-1350-04	GEAR
228	1D	D13-1312-24	GEAR
229	1D	D13-1313-04	GEAR
231	1D	D13-1320-13	GEAR ASSY
232	1D	D13-1321-13	GEAR ASSY
233	3C	D14-0676-04	ROLLER
234	1D	D14-0678-04	ROLLER ASSY
235	3D	D14-0680-34	ROLLER
236	3D	D14-0681-34	ROLLER
238	2D	E30-4526-05	CORD WITH PINPLUG
DC1	1C	* E30-4550-05	DC CORD
DC2	1C	* E30-4551-05	DC CORD
DN1	2D	E30-4577-05	CORD WITH DIN CONNECTOR

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

KDC-PS9060R/9010

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

SWITCH UNIT (X13-9130-10)

ELECTRIC UNIT (X25-7962-71)

Ref. No.	N e w	Parts No.	Description
SWITCH UNIT (X13-9130-10)			
D4	-6	B30-1515-05	LED
D7	-13	B30-1349-05	LED
D14	-	B30-1516-05	LED
ED1	2C	B38-0686-05	LIQUID CRYSTAL
C1	-5	CK73FB1H103K	CHIP C 0.010UF K
C7	-	CK73EB1C225K	CHIP C 2.2UF K
C8	-12	CK73FB1H103K	CHIP C 0.010UF K
C13	,14	CK73FB1C104K	CHIP C 0.10UF K
C15	-17	CK73FB1H103K	CHIP C 0.010UF K
303	2C	* E29-1548-04	CONDUCTIVE RUBBER
CN1	-	E40-9407-05	FLAT CABLE CONNECTOR
CP1	-	R90-1016-05	MULTIPLE RESISTOR
R1	,2	RK73FB2A102J	CHIP R 1.0K J 1/10W
R3	-	RK73FB2A104J	CHIP R 100K J 1/10W
R4	-	RK73FB2A392J	CHIP R 3.9K J 1/10W
R5	-	RK73FB2A104J	CHIP R 100K J 1/10W
R6	-	RK73FB2A473J	CHIP R 47K J 1/10W
R7	-	RK73FB2A334J	CHIP R 330K J 1/10W
R8	-	RK73FB2A104J	CHIP R 100K J 1/10W
R13	-	RK73FB2A334J	CHIP R 330K J 1/10W
R14	-	RK73FB2A104J	CHIP R 100K J 1/10W
R19	-	RK73FB2A132J	CHIP R 1.3K J 1/10W
R20	-	RK73FB2A751J	CHIP R 750 J 1/10W
R21	-	RK73FB2A562J	CHIP R 5.6K J 1/10W
R22	-	RK73FB2A272J	CHIP R 2.7K J 1/10W
R23	-	RK73FB2A132J	CHIP R 1.3K J 1/10W
R24	-	RK73FB2A561J	CHIP R 560 J 1/10W
R25	-	RK73FB2A101J	CHIP R 100 J 1/10W
R26	,27	RK73EB2B102J	CHIP R 1.0K J 1/8W
R28	-	RK73EB2B301J	CHIP R 300 J 1/8W
R29	-	RK73EB2B331J	CHIP R 330 J 1/8W
R30	,31	RK73EB2B471J	CHIP R 470 J 1/8W
R32	-	RK73EB2B221J	CHIP R 220 J 1/8W
R33	-	RK73EB2B471J	CHIP R 470 J 1/8W
R34	-36	RK73EB2B331J	CHIP R 330 J 1/8W
R37	-	RK73EB2B471J	CHIP R 470 J 1/8W
R38	,39	RK73FB2A103J	CHIP R 10K J 1/10W
R40	,41	RK73FB2A473J	CHIP R 47K J 1/10W
R42	-	RK73FB2A104J	CHIP R 100K J 1/10W
S1	-13	S70-0839-05	TACT SWITCH
S14	-21	S70-0813-05	TACT SWITCH
S22	-	S70-0821-05	TACT SWITCH
D1	-3	DA227	DIODE
D15	-	HZMS.1NB2	ZENER DIODE
D15	-	MA3051-M	ZENER DIODE
IC1	,2	UPD16432B	MOS-IC
IC3	-	PAS-B06B1FE	ANALOGUE IC
Q2	-	DTA114EK	DIGITAL TRANSISTOR
Q2	-	UN2111	DIGITAL TRANSISTOR
Q3	-	DTC124EK	DIGITAL TRANSISTOR
Q3	-	UN2212	DIGITAL TRANSISTOR
Q4	-	2SC2412K	TRANSISTOR

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

Ref. No.	N e w	Parts No.	Description
Q4	-	2SD601A	TRANSISTOR
Q5	-	DTD123YK	DIGITAL TRANSISTOR
Q5	-	UN2224	DIGITAL TRANSISTOR
Q6	-	DTA114EK	DIGITAL TRANSISTOR
Q6	-	UN2111	DIGITAL TRANSISTOR
Q7	-	2SD2114K	TRANSISTOR
Q8	-	DTA114EK	DIGITAL TRANSISTOR
Q8	-	UN2111	DIGITAL TRANSISTOR
Q9	-	2SD2114K	TRANSISTOR
Q10	-	DTA114EK	DIGITAL TRANSISTOR
Q10	-	UN2111	DIGITAL TRANSISTOR
ELECTRIC UNIT (X25-7962-71)			
C1	-	C90-2822-05	ELECTRO 3900UF 16WV
C2	-	CK73FB1H103K	CHIP C 0.010UF K
C3	-	C90-2926-05	ELECTRO 220UF 16WV
C4	-	CK73FB1H103K	CHIP C 0.010UF K
C5	-	C90-2594-05	ELECTRO 10UF 10WV
C6	-	CE04CWOJ101M	ELECTRO 100UF 6.3WV
C7	-	CK73EB1C105K	CHIP C 1.0UF K
C8	-	CE04CW1A221M	ELECTRO 220UF 10WV
C9	-	CE04CW1C470M	ELECTRO 47UF 16WV
C10	-	CE04CW1A101M	ELECTRO 100UF 10WV
C12	-	CK73FB1H103K	CHIP C 0.010UF K
C13	-	CK73FB1H223KTA	CHIP C 0.022UF K
C14	-	C90-2608-05	ELECTRO 1.0UF 50WV
C15	-	C90-2595-05	ELECTRO 4.7UF 16WV
C16	,17	CK73EB1C225K	CHIP C 2.2UF K
C18	-	C90-2962-05	ALUMINIUM ELECTROLYTIC C.
C19	,20	CK73EB1C225K	CHIP C 2.2UF K
C21	-	CE04CW1C220M	ELECTRO 22UF 16WV
C22	-	CK73FB1H223KTA	CHIP C 0.022UF K
C23	-	CK73FB1H103K	CHIP C 0.010UF K
C24	-	CE04CW1E100M	ELECTRO 10UF 25WV
C25	,26	CK73FB1E473KTA	CHIP C 0.047UF K
C27	-	C90-2598-05	ELECTRO 3.3UF 25WV
C28	-	CK73FB1E683KTA	CHIP C 0.068UF K
C29	-	C90-2602-05	ELECTRO 0.10UF 50WV
C30	-	CK73FB1H102K	CHIP C 1000PF K
C31	,32	CK73FB1H103K	CHIP C 0.010UF K
C33	-	CE04CWOJ470M	ELECTRO 47UF 6.3WV
C34	-	CK73FB1H103K	CHIP C 0.010UF K
C35	,36	CC73FCH1H220J	CHIP C 22PF J
C37	-	CK73EB1C105K	CHIP C 1.0UF K
C38	-	CK73FB1H472K	CHIP C 4700PF K
C39	-	CK73FB1H103K	CHIP C 0.010UF K
C40	,41	CK73FB1H222K	CHIP C 2200PF K
C42	-46	C90-2595-05	ELECTRO 4.7UF 16WV
C47	-	C90-2597-05	ELECTRO 10UF 16WV
C48	-	CK73FB1H103K	CHIP C 0.010UF K
C49	-	CE04CWOJ220M	ELECTRO 22UF 6.3WV
C50	-	CK73FB1C104K	CHIP C 0.10UF K
C54	-	CC73FCH1H121J	CHIP C 120PF J
C55	-	CK73FB1C823K	CHIP C 0.082UF K
C56	-	CK73FB1C104K	CHIP C 0.10UF K

KDC-PS9060R/9010

PARTS LIST

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ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description	Ref. No.	New	Parts No.	Description
C57		CK73EB1C105K	CHIP C 1.0UF K	CN1		E23-0732-04	TERMINAL
C58		CK73FB1H183KTA	CHIP C 0.018UF K	CN2		E40-3243-05	PIN ASSY
C59		CK73FB1H103K	CHIP C 0.010UF K	CN3		E40-3237-05	PIN ASSY
C60		CE04CW1A101M	ELECTRO 100UF 10WV	CN4		E40-3252-05	PIN ASSY
C61		C90-2608-05	ELECTRO 1.0UF 50WV			E40-3261-05	PIN ASSY
C62		CK73FB1H103K	CHIP C 0.010UF K	CN5		E40-9550-05	FLAT CABLE CONNECTOR
C63		CE04CW1A470M	ELECTRO 47UF 10WV	CN6		E40-9557-05	FLAT CABLE CONNECTOR
C64		C90-2608-05	ELECTRO 1.0UF 50WV	CN7		E40-5029-05	FLAT CABLE CONNECTOR
C65 ,66		C90-2610-05	ELECTRO 2.2UF 50WV	J1		E58-0836-05	RECTANGULAR RECEPTACLE
C67 ,68		C90-2597-05	ELECTRO 10UF 16WV	WH1 3D		E30-4575-05	CORD WITH PLUG (ANT)
C69 -76		CK73FB1C274K	CHIP C 0.27UF K	L1		L40-4795-34	SMALL FIXED INDUCTOR
C77 -80		CK73EB1C225K	CHIP C 2.2UF K	L2		L40-2205-34	SMALL FIXED INDUCTOR(22UH)
C81 -92		C90-2597-05	ELECTRO 10UF 16WV	L3 -7		L40-4795-34	SMALL FIXED INDUCTOR
C93 ,94		CK73FB1H103K	CHIP C 0.010UF K	L8		L33-1039-05	LINE FILTER COIL
C95 -98		CK73FB1C224K	CHIP C 0.22UF K	L9		L40-4791-17	SMALL FIXED INDUCTOR(4.7UH,K)
C99		C90-2608-05	ELECTRO 1.0UF 50WV	X1		L78-0574-05	RESONATOR
C100		C90-2598-05	ELECTRO 3.3UF 25WV	X2		L78-0533-05	RESONATOR (32.768KHZ)
C101		CE04CW1A101M	ELECTRO 100UF 10WV	X3		L77-2002-05	CRYSTAL RESONATOR
C102		C90-2597-05	ELECTRO 10UF 16WV	A 2D		N83-3005-46	PAN HEAD TAPTITE SCREW
C103-110		CK73FB1H153KTA	CHIP C 0.015UF K	L 2D		N83-3020-46	PAN HEAD TAPTITE SCREW
C111		CE04CW0J470M	ELECTRO 47UF 6.3WV	N 2D		N64-3010-46	PAN HEAD SEMS SCREW
C112,113		C90-2608-05	ELECTRO 1.0UF 50WV	T 2D		N30-3005-46	PAN HEAD MACHINE SCREW
C114		CE04CW0J470M	ELECTRO 47UF 6.3WV	CP1		R90-0725-05	MULTI-COMP 1K X2
C115,116		CK73FB1C224K	CHIP C 0.22UF K	CP2		R90-0724-05	MULTI-COMP 1K X4
C117		C90-2594-05	ELECTRO 10UF 10WV	CP3 -9		R90-0725-05	MULTI-COMP 1K X2
C118		CK73FB1H103K	CHIP C 0.010UF K	R1		CK73FB2A223J	CHIP R 22K J 1/10W
C119		C90-2594-05	ELECTRO 10UF 10WV	R2		CK73FB2A101J	CHIP R 100 J 1/10W
C120,121		CC73FCH1H100D	CHIP C 10PF D	R3		CK73FB2A223J	CHIP R 22K J 1/10W
C122		CC73FCH1H271J	CHIP C 270PF J	R4		CK73FB2A472J	CHIP R 4.7K J 1/10W
C123		CK73FB1H103K	CHIP C 0.010UF K	R5		CK73EB2B221J	CHIP R 220 J 1/8W
C124		C90-2595-05	ELECTRO 4.7UF 16WV	R6		CK73FB2A153J	CHIP R 15K J 1/10W
C125		CK73FB1H103K	CHIP C 0.010UF K	R7		R92-2046-05	CHIP R 4.3K D 1/10W
C126		C90-2594-05	ELECTRO 10UF 10WV	R8		R92-2041-05	CHIP R 47K D 1/10W
C128		CK73FB1H103K	CHIP C 0.010UF K	R9		CK73FB2A223J	CHIP R 22K J 1/10W
C129		CK73FB1H153KTA	CHIP C 0.015UF K	R10		R92-2063-05	CHIP R 680 J 1/2W
C130		C90-2594-05	ELECTRO 10UF 10WV	R11		CK73FB2A152J	CHIP R 1.5K J 1/10W
C131		CC73FCH1H471J	CHIP C 470PF J	R12		CK73FB2A102J	CHIP R 1.0K J 1/10W
C132		CC73FCH1H121J	CHIP C 120PF J	R13		CK73FB2A471J	CHIP R 470 J 1/10W
C133		CC73FCH1H060D	CHIP C 6.0PF D	R14		CK73FB2A104J	CHIP R 100K J 1/10W
C134,135		CC73FSL1H122J	CHIP C 1200PF J	R15 ,16		CK73EB2B103J	CHIP R 10K J 1/8W
C136		CC73FCH1H180J	CHIP C 18PF J	R17		CK73FB2A223J	CHIP R 22K J 1/10W
C137		CC73FCH1H471J	CHIP C 470PF J	R18		CK73FB2A473J	CHIP R 47K J 1/10W
C138		CC73FCH1H820J	CHIP C 82PF J	R19		CK73FB2A102J	CHIP R 1.0K J 1/10W
C139		CC73FSL1H102J	CHIP C 1000PF J	R20		CK73EB2B104J	CHIP R 100K J 1/8W
C140		CK73FB1H223KTA	CHIP C 0.022UF K	R21		CK73FB2A102J	CHIP R 1.0K J 1/10W
C141		CC73FSL1H222J	CHIP C 2200PF J	R22		CK73FB2A104J	CHIP R 100K J 1/10W
C142		CK73FB1H822K	CHIP C 8200PF K	R23		CK73FB2A750J	CHIP R 75 J 1/10W
C144		CK73FB1H103K	CHIP C 0.010UF K	R24		CK73FB2A272J	CHIP R 2.7K J 1/10W
C145		CC73FCH1H471J	CHIP C 470PF J	R25		CK73FB2A470J	CHIP R 47 J 1/10W
C146		CK73FB1H103K	CHIP C 0.010UF K	R26		CK73FB2A153J	CHIP R 15K J 1/10W
C147		CE04CW1A101M	ELECTRO 100UF 10WV	R27		CK73FB2A163J	CHIP R 16K J 1/10W
C148		CK73FB1E273KTA	CHIP C 0.027UF K	R28		CK73FB2A563J	CHIP R 56K J 1/10W
C149		CK73EB1C105K	CHIP C 1.0UF K	R29		CK73FB2A913J	CHIP R 91K J 1/10W
C151		CK73FB1H103K	CHIP C 0.010UF K	R30		CK73FB2A470J	CHIP R 47 J 1/10W
C153		CK73FB1H103K	CHIP C 0.010UF K				

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

KDC-PS9060R/9010

PARTS LIST

* New Parts

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ELECTRIC UNIT (X25-7962-71)

Ref. No.	New	Parts No.	Description	Ref. No.	New	Parts No.	Description
R31		RK73FB2A103J	CHIP R 10K J 1/10W	R121,122		RK73FB2A103J	CHIP R 10K J 1/10W
R32 ,33		RK73FB2A913J	CHIP R 91K J 1/10W	R123		RK73FB2A102J	CHIP R 1.0K J 1/10W
R37		RK73FB2A472J	CHIP R 4.7K J 1/10W	R124		RK73FB2A473J	CHIP R 47K J 1/10W
R38		R92-0365-05	CHIP R 1.0K J 1/2W	R125		RK73FB2A333J	CHIP R 33K J 1/10W
R39		RK73FB2A223J	CHIP R 22K J 1/10W	R126,127		RK73FB2A473J	CHIP R 47K J 1/10W
R40		R92-0365-05	CHIP R 1.0K J 1/2W	R128		RK73FB2A821J	CHIP R 820 J 1/10W
R41		RK73FB2B472J	CHIP R 4.7K J 1/8W	R129		RK73FB2A153J	CHIP R 15K J 1/10W
R42		RK73EB2B102J	CHIP R 1.0K J 1/8W	R130		RK73FB2A103J	CHIP R 10K J 1/10W
R43 -45		RK73EB2B470J	CHIP R 47 J 1/8W	R131,132		RK73FB2A274J	CHIP R 270K J 1/10W
R46 -48		RK73FB2B102J	CHIP R 1.0K J 1/8W	R133		RK73FB2A153J	CHIP R 15K J 1/10W
R49		RK73FB2A104J	CHIP R 100K J 1/10W	R134-136		RK73FB2A104J	CHIP R 100K J 1/10W
R50 ,51		RK73FB2A123J	CHIP R 12K J 1/10W	R137-139		RK73FB2A222J	CHIP R 2.2K J 1/10W
R52		RK73FB2A562J	CHIP R 5.6K J 1/10W	R140		RK73FB2B472J	CHIP R 4.7K J 1/8W
R53		RK73FB2A223J	CHIP R 22K J 1/10W	R141,142		RK73FB2A104J	CHIP R 100K J 1/10W
R54		RD14DB2H332J	SMALL-RD 3.3K J 1/2W	R145		RK73FB2A472J	CHIP R 4.7K J 1/10W
R55 ,56		RK73EB2B473J	CHIP R 47K J 1/8W	R147		RK73FB2A472J	CHIP R 4.7K J 1/10W
R57		RK73FB2A622J	CHIP R 6.2K J 1/10W	R148,149		RK73FB2A334J	CHIP R 330K J 1/10W
R58		RK73FB2A473J	CHIP R 47K J 1/10W	R150		RK73FB2A332J	CHIP R 3.3K J 1/10W
R59		RK73FB2A684J	CHIP R 680K J 1/10W	R151,152		RK73FB2A102J	CHIP R 1.0K J 1/10W
R60		RK73FB2A104J	CHIP R 100K J 1/10W	R153,154		RK73FB2A361J	CHIP R 360 J 1/10W
R63		RK73FB2A104J	CHIP R 100K J 1/10W	R155-158		RK73FB2A223J	CHIP R 22K J 1/10W
R65		RK73FB2A104J	CHIP R 100K J 1/10W	R159,160		RK73FB2A361J	CHIP R 360 J 1/10W
R66		RK73FB2A222J	CHIP R 2.2K J 1/10W	R161-164		RK73FB2A223J	CHIP R 22K J 1/10W
R67		RK73FB2A472J	CHIP R 4.7K J 1/10W	R165,166		RK73FB2A104J	CHIP R 100K J 1/10W
R68		RK73FB2A225J	CHIP R 2.2M J 1/10W	R167,168		RK73FB2A153J	CHIP R 15K J 1/10W
R69		RK73FB2A222J	CHIP R 2.2K J 1/10W	R169,170		RK73FB2A223J	CHIP R 22K J 1/10W
R70		RK73FB2A102J	CHIP R 1.0K J 1/10W	R171,172		RK73FB2A820J	CHIP R 82 J 1/10W
R71		RK73FB2A472J	CHIP R 4.7K J 1/10W	R173,174		RK73FB2A104J	CHIP R 100K J 1/10W
R72 ,73		RK73FB2A562J	CHIP R 5.6K J 1/10W	R175,176		RK73FB2A153J	CHIP R 15K J 1/10W
R74		RK73FB2A223J	CHIP R 22K J 1/10W	R177,178		RK73FB2A223J	CHIP R 22K J 1/10W
R75		RK73FB2A222J	CHIP R 2.2K J 1/10W	R179,180		RK73FB2A820J	CHIP R 82 J 1/10W
R76		RK73FB2A470J	CHIP R 47 J 1/10W	R181-184		RK73FB2A472J	CHIP R 4.7K J 1/10W
R77		RK73FB2A104J	CHIP R 100K J 1/10W	R185		RK73FB2A154J	CHIP R 150K J 1/10W
R78		RK73FB2A470J	CHIP R 47 J 1/10W	R186		RK73FB2A431J	CHIP R 430 J 1/10W
R79 ,80		RK73FB2A222J	CHIP R 2.2K J 1/10W	R187		RK73FB2A751J	CHIP R 750 J 1/10W
R81		RK73FB2A102J	CHIP R 1.0K J 1/10W	R188		RK73FB2A183J	CHIP R 18K J 1/10W
R83		RK73FB2A104J	CHIP R 100K J 1/10W	R189,190		RK73FB2A101J	CHIP R 100 J 1/10W
R84 -87		RK73FB2A102J	CHIP R 1.0K J 1/10W	R191		RK73FB2A223J	CHIP R 22K J 1/10W
R89		RK73FB2A104J	CHIP R 100K J 1/10W	R192		RK73FB2A103J	CHIP R 10K J 1/10W
R90		RK73FB2A222J	CHIP R 2.2K J 1/10W	R193,194		RK73EB2B100J	CHIP R 10 J 1/8W
R92		RK73FB2A102J	CHIP R 1.0K J 1/10W	R195		RK73EB2B477J	CHIP R 4.7 J 1/8W
R93		RK73FB2A222J	CHIP R 2.2K J 1/10W	R196		RK73EB2B104J	CHIP R 100K J 1/8W
R94		RK73FB2A223J	CHIP R 22K J 1/10W	R197		RK73FB2A222J	CHIP R 2.2K J 1/10W
R95		R92-2041-05	CHIP R 47K D 1/10W	R198,199		R92-2021-05	CHIP R 2.2 J 1/2W
R97		RK73FB2A102J	CHIP R 1.0K J 1/10W	R200		RK73EB2B222J	CHIP R 2.2K J 1/8W
R99 ,100		RK73FB2A102J	CHIP R 1.0K J 1/10W	R202		RK73FB2A682J	CHIP R 6.8K J 1/10W
R101		RK73FB2A104J	CHIP R 100K J 1/10W	R203		RK73FB2A152J	CHIP R 1.5K J 1/10W
R102,103		RK73FB2A470J	CHIP R 47 J 1/10W	R204		RK73FB2A104J	CHIP R 100K J 1/10W
R104		RK73FB2A104J	CHIP R 100K J 1/10W	R205		RK73FB2A222J	CHIP R 2.2K J 1/10W
R105-108		RK73FB2A222J	CHIP R 2.2K J 1/10W	R206		RK73FB2A473J	CHIP R 47K J 1/10W
R109		RK73FB2A102J	CHIP R 1.0K J 1/10W	R207		RK73FB2A222J	CHIP R 2.2K J 1/10W
R112,113		RK73FB2A222J	CHIP R 2.2K J 1/10W	R208		RK73FB2A333J	CHIP R 33K J 1/10W
R114		RK73FB2A164J	CHIP R 160K J 1/10W	R209		RK73FB2A392J	CHIP R 3.9K J 1/10W
R115		RK73FB2A102J	CHIP R 1.0K J 1/10W	R210		RK73FB2A105J	CHIP R 1.0M J 1/10W
R118-120		RK73FB2A102J	CHIP R 1.0K J 1/10W	R211		RK73FB2A224J	CHIP R 220K J 1/10W

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

KDC-PS9060R/9010

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

ELECTRIC UNIT (X25-7962-71)

Ref. No.	N ew	Parts No.	Description
R212		RK73FB2A473J	CHIP R 47K J 1/10W
R213		RK73FB2A103J	CHIP R 10K J 1/10W
R214		RK73FB2A153J	CHIP R 15K J 1/10W
R215		RK73FB2A913J	CHIP R 91K J 1/10W
R216		RK73EB2B220J	CHIP R 22 J 1/8W
R217-220		RK73FB2A103J	CHIP R 10K J 1/10W
R221		RK73FB2A823J	CHIP R 82K J 1/10W
R222		RK73FB2A272J	CHIP R 2.7K J 1/10W
R223		RK73FB2A333J	CHIP R 33K J 1/10W
R224		RK73FB2A153J	CHIP R 15K J 1/10W
R225		RK73FB2A103J	CHIP R 10K J 1/10W
R226		RK73FB2A562J	CHIP R 5.6K J 1/10W
R227		RK73FB2A103J	CHIP R 10K J 1/10W
R228		RK73FB2A104J	CHIP R 100K J 1/10W
R229		RK73FB2A103J	CHIP R 10K J 1/10W
R230		RK73FB2A222J	CHIP R 2.2K J 1/10W
R231		RK73FB2A562J	CHIP R 5.6K J 1/10W
R232		RK73FB2A272J	CHIP R 2.7K J 1/10W
R233		RK73FB2A223J	CHIP R 22K J 1/10W
R234		RK73EB2B102J	CHIP R 1.0K J 1/8W
R235		RK73FB2A223J	CHIP R 22K J 1/10W
R236		RK73EB2B102J	CHIP R 1.0K J 1/8W
R237		RK73FB2A105J	CHIP R 1.0M J 1/10W
R32		0229-05	SEMI FIXED VARIABLE RESISTOR
W11		R92-2052-05	CHIP R 0 J 1/10W
W18 ,19		R92-2052-05	CHIP R 0 J 1/10W
W24		R92-2052-05	CHIP R 0 J 1/10W
PH1		T95-0231-05	OPTO ISOLATOR
D1		RM10ZLF	DIODE
D2		AM01Z	DIODE
D2		ERA15-01	DIODE
D3		MA4056(N)-M	ZENER DIODE
D4		MA4082(N)-L	ZENER DIODE
D5		MA4110-L	ZENER DIODE
D6		HZM4.7NB2	ZENER DIODE
D6		MA3047-M	ZENER DIODE
D7		MA4110(N)-M	ZENER DIODE
D8		MA4056(N)-M	ZENER DIODE
D9 ,10		DA204K	DIODE
D12		AM01Z	DIODE
D12		ERA15-01	DIODE
D13		DAP202K	DIODE
D13		MA152WA	DIODE
D14		DAN202K	DIODE
D14		MA152WK	DIODE
D15 -18		MA3062WA	ZENER DIODE
D19 ,20		MA4056(N)-M	ZENER DIODE
D21		DAN202K	DIODE
D21		MA152WK	DIODE
D22		DA204K	DIODE
D23 ,24		RD6.8MW	ZENER DIODE
D25 -27		DAP202K	DIODE
D25 -27		MA152WA	DIODE

E1: KDC-PS9060R

M1: KDC-9010

⚠ indicates safety critical components.

KDC-PS9060R/9010

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ELECTRIC UNIT (X25-7962-71)

CD PLAYER UNIT (X32-4420-00)

Ref. No.	N ew	Parts No.	Description
Q24		2SA1037K	TRANSISTOR
Q25		DTA124EK	DIGITAL TRANSISTOR
Q25		UN2112	DIGITAL TRANSISTOR
Q26		DTC114EK	DIGITAL TRANSISTOR
Q26		UN2211	DIGITAL TRANSISTOR
Q27		DTA124EK	DIGITAL TRANSISTOR
Q27		UN2112	DIGITAL TRANSISTOR
Q28 ,29		2SC2412K	TRANSISTOR
Q28 ,29		2SD601A	TRANSISTOR
Q30		DTA124EK	DIGITAL TRANSISTOR
Q30		UN2112	DIGITAL TRANSISTOR
Q31		DTC144EK	DIGITAL TRANSISTOR
Q31		UN2213	DIGITAL TRANSISTOR
Q32		2SC2412K	TRANSISTOR
Q32		2SD601A	TRANSISTOR
Q33		DTC124EK	DIGITAL TRANSISTOR
Q33		UN2212	DIGITAL TRANSISTOR
Q34 -37		2SD2114K	TRANSISTOR
Q38		DTC144EK	DIGITAL TRANSISTOR
Q38		UN2213	DIGITAL TRANSISTOR
Q39 ,40		DTC143TK	DIGITAL TRANSISTOR
Q39 ,40		UN2216	DIGITAL TRANSISTOR
Q41		DTC124TK	DIGITAL TRANSISTOR
Q41		UN2217	DIGITAL TRANSISTOR
Q42		2SC2412K	TRANSISTOR
Q42		2SD601A	TRANSISTOR
Q43		DTC114TK	DIGITAL TRANSISTOR
Q43		UN2215	DIGITAL TRANSISTOR
Q44		DTA124EK	DIGITAL TRANSISTOR
Q44		UN2112	DIGITAL TRANSISTOR
Q45 ,46		DTC124EK	DIGITAL TRANSISTOR
Q45 ,46		UN2212	DIGITAL TRANSISTOR
Q48		2SB1277(Q,R)	TRANSISTOR
Q49		DTC124EK	DIGITAL TRANSISTOR
Q49		UN2212	DIGITAL TRANSISTOR
Q50		2SB1277(Q,R)	TRANSISTOR
Q51		DTC124EK	DIGITAL TRANSISTOR
Q51		UN2212	DIGITAL TRANSISTOR
TH1		PT722A80C	POSITIVE RESISTOR
A1 3D		W02-3123-05	FM/AM FRONT-END
CD PLAYER UNIT (X32-4420-00)			
C1 ,2		CK73FB1A105K	CHIP C 1.0UF K
C3		C92-1359-05	CHIP-TAN 10UF 16WV
C4		C92-0566-05	CHIP-TAN 10UF 6.3WV
C5		CC73FCH1H220J	CHIP C 22PF J
C6		CC73FCH1H020C	CHIP C 2.0PF C
C7		CK73FB1C104K	CHIP C 0.10UF K
C8		CK73FB1A105K	CHIP C 1.0UF K
C9		CC73FCH1H101J	CHIP C 100PF J
C10 ,11		CK73FB1H682K	CHIP C 6800PF K
C12		CK73FB1H222K	CHIP C 2200PF K
C13		CK73FB1H273K	CHIP C 0.027UF K
C14		CK73FB1H472K	CHIP C 4700PF K
C15		CK73FB1E473KTA	CHIP C 0.047UF K

E1: KDC-PS9060R

M1: KDC-9010

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KDC-PS9060R/9010

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CD PLAYER UNIT (X32-4420-00)

MECHANISM ASSY (X92-3380-00)

Ref. No.	New	Parts No.	Description
R3		RK73FB2A154J	CHIP R 150K J 1/10W
R4		RK73FB2A155J	CHIP R 1.5M J 1/10W
R5		RK73FB2A910J	CHIP R 91 J 1/10W
R6		RK73FB2A154J	CHIP R 150K J 1/10W
R7		RK73FB2A155J	CHIP R 1.5M J 1/10W
R8		RK73EB2B4R7J	CHIP R 4.7 J 1/8W
R9		RK73EB2B100J	CHIP R 10 J 1/8W
R10 ,11		RK73FB2A912J	CHIP R 9.1K J 1/10W
R12		RK73FB2A562J	CHIP R 5.6K J 1/10W
R13		RK73FB2A683J	CHIP R 68K J 1/10W
R14 ,15		RK73FB2A824J	CHIP R 820K J 1/10W
R16		RK73FB2A223J	CHIP R 22K J 1/10W
R17		RK73FB2A393J	CHIP R 39K J 1/10W
R18		RK73FB2A392J	CHIP R 3.9K J 1/10W
R19		RK73FB2A333J	CHIP R 33K J 1/10W
R20		RK73FB2A104J	CHIP R 100K J 1/10W
R21		RK73FB2A224J	CHIP R 220K J 1/10W
R22 -24		RK73FB2A101J	CHIP R 100 J 1/10W
R31		RK73FB2A102J	CHIP R 1.0K J 1/10W
R32		RK73FB2A104J	CHIP R 100K J 1/10W
R33		RK73FB2A155J	CHIP R 1.5M J 1/10W
R34		RK73FB2A333J	CHIP R 33K J 1/10W
R35		RK73FB2A104J	CHIP R 100K J 1/10W
R36		RK73FB2A151J	CHIP R 150 J 1/10W
R37		RK73FB2A471J	CHIP R 470 J 1/10W
R38		RK73FB2A224J	CHIP R 220K J 1/10W
R42		RK73FB2A104J	CHIP R 100K J 1/10W
R43		RK73FB2A472J	CHIP R 4.7K J 1/10W
R44		RK73FB2A512J	CHIP R 5.1K J 1/10W
R45		RK73FB2A103J	CHIP R 10K J 1/10W
R46		RK73FB2A102J	CHIP R 1.0K J 1/10W
R47		RK73FB2A103J	CHIP R 10K J 1/10W
R49		RK73FB2A472J	CHIP R 4.7K J 1/10W
R50		RK73FB2A102J	CHIP R 1.0K J 1/10W
R52		RK73FB2A104J	CHIP R 100K J 1/10W
R54		RK73FB2A104J	CHIP R 100K J 1/10W
R56		RK73FB2A104J	CHIP R 100K J 1/10W
R61		RK73FB2A101J	CHIP R 100 J 1/10W
R68		RK73FB2A104J	CHIP R 100K J 1/10W
R71		RK73FB2A752J	CHIP R 7.5K J 1/10W
R72		RK73FB2A102J	CHIP R 1.0K J 1/10W
R73		RK73FB2A333J	CHIP R 33K J 1/10W
R74		RK73FB2A822J	CHIP R 8.2K J 1/10W
R75		RK73FB2A273J	CHIP R 27K J 1/10W
R76		RK73FB2A512J	CHIP R 5.1K J 1/10W
R77		RK73FB2A393J	CHIP R 39K J 1/10W
R78		RK73FB2A153J	CHIP R 15K J 1/10W
R79		RK73FB2A202J	CHIP R 2.0K J 1/10W
R80		RK73FB2A162J	CHIP R 1.6K J 1/10W
R81		RK73FB2A273J	CHIP R 27K J 1/10W
R82		RK73FB2A562J	CHIP R 5.6K J 1/10W
R83		RK73FB2A561J	CHIP R 560 J 1/10W
R91		RK73FB2A824J	CHIP R 820K J 1/10W
R92 ,93		RK73FB2A102J	CHIP R 1.0K J 1/10W
R101,102		RK73FB2A241J	CHIP R 240 J 1/10W

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

KDC-PS9060R/9010

PARTS LIST

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MECHANISM ASSY (X92-3380-00)

Ref. No.	New	Parts No.	Description
19 2B		D10-4008-04	LEVER
20 2A		D10-4009-23	ARM
21 3A		D10-4010-04	LEVER
22 3A		D10-4011-34	LEVER ASSY
23 3A		D10-4013-14	ARM ASSY
24 3B		D10-4050-04	ARM
27 3B		D13-1340-13	RACK (GEAR)
28 3B		D13-1230-14	WORM
29 3B		D13-1231-04	GEAR
30 3A		D13-1232-04	GEAR
31 3B		D13-1233-04	GEAR
32 3B		D13-1234-14	GEAR ASSY
33 3A		D13-1238-03	GEAR
34 3B		D13-1240-04	GEAR
35 3B		D13-1241-04	GEAR
36 3B		D13-1242-04	GEAR
37 1B		D13-1243-04	GEAR
38 1B		D13-1244-04	GEAR
39 1B		D13-1245-14	GEAR
40 2A		D13-1246-04	GEAR
41 2B		D13-1247-04	GEAR
42 2B		D13-1248-34	GEAR
43 2B		D13-1249-04	GEAR ASSY
45 1B		D14-0668-04	ROLLER
46 1A		D14-0670-04	ROLLER
47 3B		D14-0674-04	ROLLER
48 2B		D19-0613-24	LEAD SCREW
49 3A		D21-2228-04	SHAFT
50 1A		D21-2229-04	SHAFT
51 1A		D23-0925-24	RETAINER
52 2A		D32-0614-04	STOPPER
53 1B		D39-0223-05	DAMPER
54 2B		D39-0224-05	DAMPER
55 3B		F09-1246-04	SHEET
60 2A		G01-2770-04	EXTENSION SPRING
61 3A		G01-2771-04	EXTENSION SPRING
62 3A		G01-2772-24	EXTENSION SPRING
63 3A		G01-2773-14	EXTENSION SPRING
64 3A		G01-2774-34	EXTENSION SPRING
65 1B		G01-2775-04	TORSION COIL SPRING
66 1B		G01-2776-14	TORSION COIL SPRING
67 3B		G01-2777-14	TORSION COIL SPRING
68 3A		G02-1250-04	FLAT SPRING
69 2A		G01-2844-04	EXTENSION SPRING
70 2A		G02-1231-04	FLAT SPRING
71 2B		G02-1232-14	FLAT SPRING
72 2A		G02-1241-24	FLAT SPRING
73 2A		G02-1248-14	FLAT SPRING
75 2A		J11-0613-13	CLAMPER
76 3A		J19-4678-13	HOLDER
77 2B		J19-4679-24	HOLDER
78 3B		J21-7684-03	MOUNTING HARDWARE
79 2A		J21-7686-03	MOUNTING HARDWARE

E1: KDC-PS9060R

M1: KDC-9010

△ indicates safety critical components.

KDC-PS9060R/9010

PARTS LIST

MARKING OF CHIP TRANSISTORS (SMT)
(DTAxxxxK, DTCxxxxK, 2SxxxxxK)

SMT (PNP)			
形 名/Parts No.	標 印/Mark	形 名/Parts No.	標 印/Mark
DTA144EK	<u>16</u>	DTA114YK	<u>54</u>
DTA124EK	<u>15</u>	DTA143TK	<u>93</u>
DTA114TK	<u>94</u>	DTA114EK	<u>14</u>
DTA144WK	<u>76</u>	DTA143EK	<u>13</u>
DTA143XK	<u>33</u>	DTA124XK	<u>35</u>
DTA124TK	<u>95</u>	DTA144TK	<u>96</u>
DTA123EK	<u>12</u>	DTA123JK	<u>E32</u>
DTA143ZK	<u>E13</u>	DTA113JK	<u>E11</u>
DTA123YK	<u>52</u>	DTA114WK	<u>74</u>
DTA115EK	<u>19</u>	DTA115TK	<u>99</u>
DTA125TK	<u>9A</u>	DTA114GK	<u>K14</u>
DTA115GK	<u>K19</u>	DTA124GK	<u>K15</u>
DTA144GK	<u>K12</u>		

SMT (NPN)			
形 名/Parts No.	標 印/Mark	形 名/Parts No.	標 印/Mark
DTC144EK	<u>26</u>	DTC114YK	<u>64</u>
DTC124EK	<u>25</u>	DTC143TK	<u>03</u>
DTC114TK	<u>04</u>	DTC114EK	<u>24</u>
DTC144WK	<u>86</u>	DTC143EK	<u>23</u>
DTC143XK	<u>43</u>	DTC124XK	<u>45</u>
DTC124TK	<u>05</u>	DTC144TK	<u>06</u>
DTC123EK	<u>22</u>	DTC123JK	<u>E42</u>
DTC143ZK	<u>E23</u>	DTC113ZK	<u>E21</u>
DTC123YK	<u>62</u>	DTC114WK	<u>84</u>
DTC115EK	<u>29</u>	DTC115TK	<u>09</u>
DTC125TK	<u>0A</u>	DTC114GK	<u>K24</u>
DTC115GK	<u>K29</u>	DTC124GK	<u>K25</u>
DTC144GK	<u>K22</u>		

SMT			
形 名/Parts No.	略記号 / Mark	形 名/Parts No.	略記号 / Mark
2SA1036K	<u>H</u>	2SA1037K	<u>F</u>
2SA1037KLN	<u>D</u>	2SA1455K	<u>G</u>
2SA1514K	<u>M</u>	2SB852K	<u>U</u>
2SC2059K	<u>J</u>	2SC2411K	<u>C</u>
2SC2412K	<u>B</u>	2SC2412KLN	<u>L</u>
2SC2413K	<u>A</u>	2SC3082K	<u>S</u>
2SC3722K	<u>I</u>	2SC3802K	<u>AL</u>
2SC3837K	<u>AC</u>	2SC3838K	<u>AD</u>
2SC3839K	<u>AE</u>	2SC3906K	<u>T</u>
2SD1383K	<u>W</u>	2SD1484K	<u>Y</u>
2SD1757K	<u>AA</u>	2SD1781K	<u>AF</u>
2SD1782K	<u>AJ</u>		

MPT			
形 名/Parts No.	略記号 / Mark	形 名/Parts No.	略記号 / Mark
2SB1132	<u>BA</u>	2SB1188	<u>BC</u>
2SB1189	<u>BD</u>	2SD1664	<u>DA</u>
2SD1766	<u>DB</u>	2SD1767	<u>DC</u>
2SD1384	<u>DE</u>		

KDC-PS9060R/9010

SPECIFICATION

KDC-PS9060R

FM tuner section

Frequency range (Frequency step) 87.5MHz~108.0MHz (50kHz)
Usable sensitivity (S/N : 26dB) 0.7μV/75Ω
Quieting sensitivity (S/N : 46dB) 1.6μV/75Ω
Frequency response (±3.0dB) 30Hz~15kHz
Signal to Noise ratio (MONO) 65dB
Selectivity (DIN) (dB) ≥ 80dB (±400kHz)
Stereo separation (1kHz) 35dB

MW (AM) tuner section

Frequency range 531kHz~1611kHz (9kHz)
Usable sensitivity (S/N : 20dB) 25μV

LW tuner section

Frequency range (Frequency step) 153kHz~281kHz
Usable sensitivity (S/N : 20dB) 45μV

CD section

Laser diode GaAlAs (λ =780nm)
Digital filter (D/A) 8 times over sampling
D/A converter 1 Bit
Spindle speed 500~200 (CLV)
Wow & Flutter Below measurable limit
Frequency response (±1dB) 10~20kHz
Total harmonic distortion 0.01% (1kHz)
Signal to Noise ratio (1kHz) 105dB
Dynamic range 100dB
Chanel separation 85dB

Audio section

Preout level (mV)/Load (CD/CD-CH)
Unbalanced 4000mV/10kΩ
Preout impedance 80Ω
Amp power
Max 40W x 4
DIN45324.+B=14.4V 27W x 4
Tone action
Bass 100Hz±10dB
Treble 10kHz±10dB

General

Operating voltage 14.4V (11~16V allowable)
Current consumption 10A
Installation size (W x H x D) 182 x 53 x 165 (mm)
Weight 2000g

KDC-9010

FM tuner section

Frequency range (Frequency step) 87.5MHz~108.0MHz (50kHz)
..... 87.9MHz~107.9MHz (200kHz)
Channel space selection 50k/200kHz
Usable sensitivity (S/N : 30dB) 9.3dBf (0.8μV/75Ω)
Quieting sensitivity (S/N : 50dB) 15.2dBf (1.6μV/75Ω)
Frequency response (±3.0dB) 30Hz~15kHz
Signal to Noise ratio (MONO) 70dB
Selectivity (dB) ≥ 80dB (±400kHz)
Stereo separation (1kHz) 40dB

AM tuner section

Frequency range (Frequency step) 531kHz~1611kHz (9kHz)
..... 530kHz~1700kHz (10kHz)
Channel space selection 9k/10kHz
Usable sensitivity (S/N : 20dB) 28dBμ (25μV)

CD section

Laser diode GaAlAs (λ =780nm)
Digital filter (D/A) 8 times over sampling
D/A converter 1 Bit
Spindle speed 500~200 (CLV)
Wow & Flutter Below measurable limit
Frequency response (±1dB) 10~20kHz
Total harmonic distortion 0.01% (1kHz)
Signal to Noise ratio (1kHz) 105dB
Dynamic range 100dB
Chanel separation 85dB

Audio section

Preout level (mV)/Load (CD/CD-CH)
Unbalanced 4000mV/10kΩ
Preout impedance 80Ω
Amp power
Max 40W x 4
Full bandwidth (at less than 1% THD) 22W x 4
Tone action
Bass 100Hz±10dB
Treble 10kHz±10dB

General

Operating voltage 14.4V (11~16V allowable)
Current consumption 10A
Installation size (W x H x D) 182 x 53 x 165 (mm)
Weight 2000g

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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